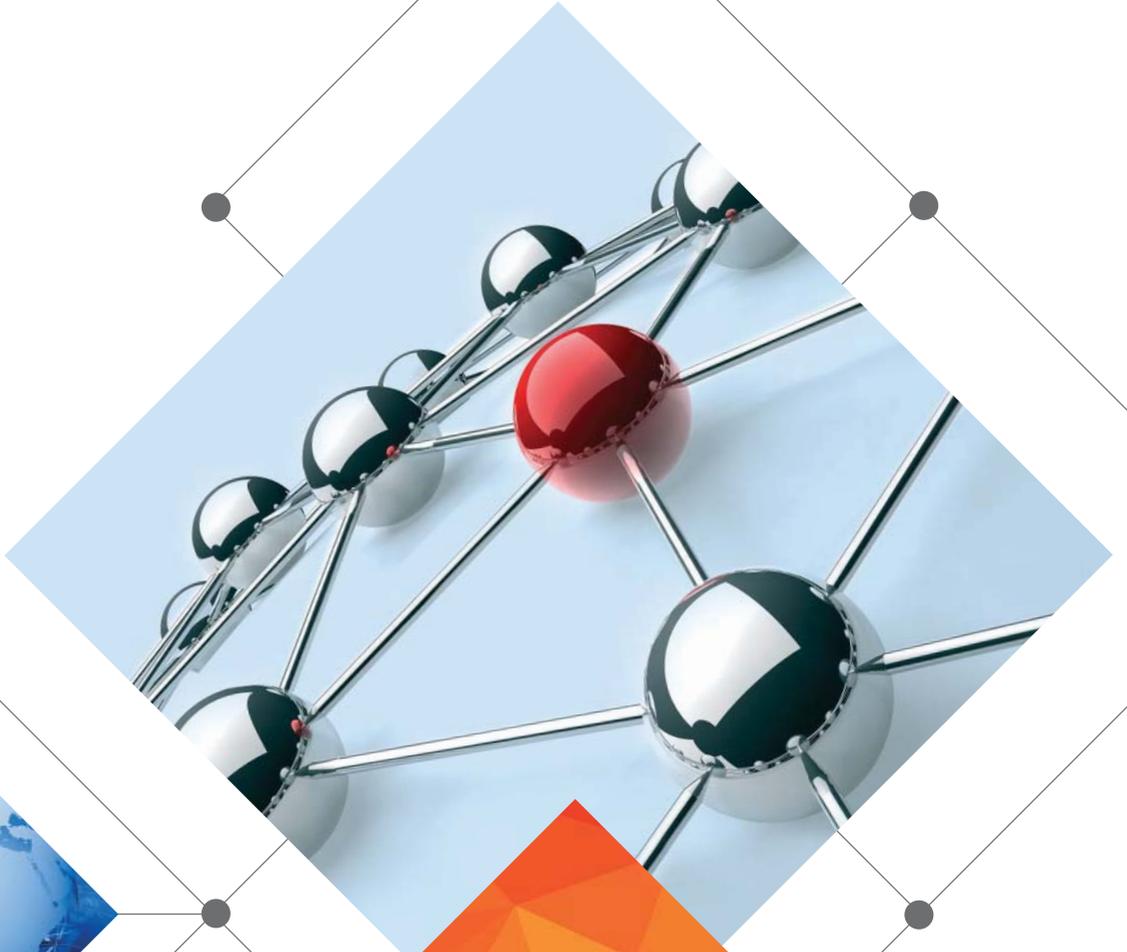




PRODUCT CATALOGUE
PROFESSIONAL BUILDING PRODUCTS
2018



SELENA GROUP

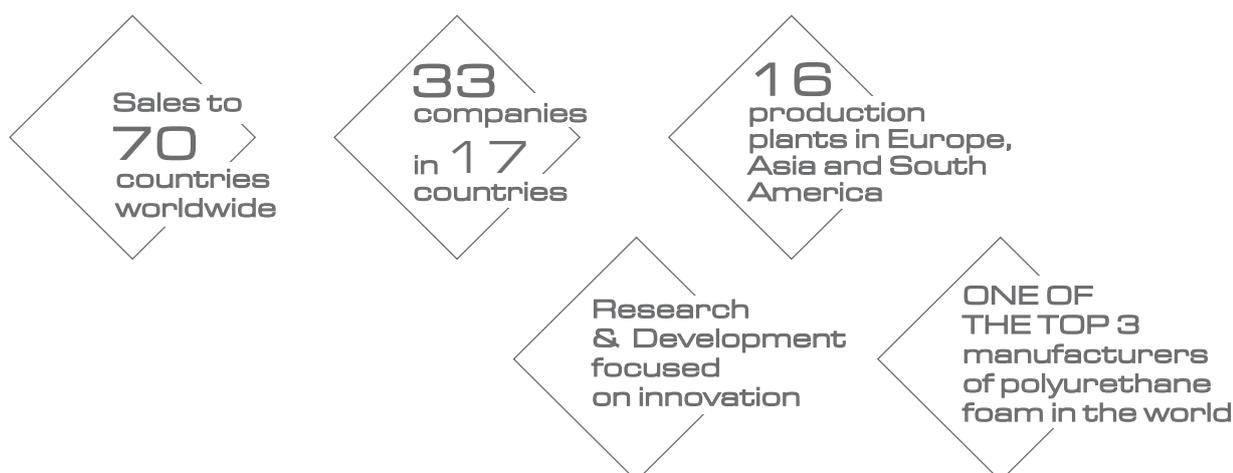
MISSION STATEMENT

TOGETHER WE DELIVER BETTER BUILDING PERFORMANCE

Selena Group is a global manufacturer and distributor of a wide range of construction chemicals for professional contractors and home users. The Group comprises 30 subsidiary companies and state of the art manufacturing plants which produce polyurethane foams, sealants, adhesives, ETICS components and waterproofing materials.

Established in 1992, Selena was one of the pioneers offering modern construction chemicals on the Polish market. Today, Selena Group employs more than 1700 people and is among the top three manufacturers of one-component polyurethane foam in the world. Our effective distribution network covering Europe, Asia, North & South America reaches 42 000 customers and millions of end-users all over the world. Thanks to an integrated research & development function with laboratories in Poland, Spain, Turkey and China, Selena invests in innovative solutions that change the way we build for the better, and continuously expands its product portfolio.

The global experience gained in diverse local markets allows the Selena Group to develop fast and to create solutions tailored to the needs of the users. Manufacturing plants located in Poland, Spain, China, South Korea, Brazil, Turkey, Romania and Kazakhstan cater to the growing demand for Selena products.



POLAND

Selena FM S.A.
Selena Marketing International Sp. z o.o.
Selena S.A.
Orion Polyurethanes Sp. z o.o. S.K.A.
Libra Sp. z o.o.
Carina Silicones Sp. z o.o.
Tytan EOS Sp. z o.o.
Matizol S.A.
Selena Industrial Technologies Sp. z o.o.

EASTERN EUROPE & CENTRAL ASIA

Selena Vostok OOO
Selena CA L.L.P.
TOO Selena Insulations
TOO Big Elit
Selena Ukraine Ltd.

AMERICAS

Selena Sulamericana Ltda
Selena USA, Inc.

WESTERN EUROPE

Selena Iberia - Quilosa S.L.U.
Selena Italia srl
Selena Deutschland GmbH

ASIA

Weize (Shanghai) Trading Co., Ltd.
Foshan Chinuri-Selena Chemical Co.
Selena Nantong Building Materials Co., Ltd.
Hamil - Selena Co. Ltd.

CENTRAL EUROPE

Chemistry for Building s.r.o.
Selena Bulgaria Ltd.
Selena Bohemia s.r.o.
Selena Hungária Kft.
Selena Romania SRL
Euro MGA Product SRL

MIDDLE EAST

Selena Yapı Malzemeleri Ltd.
Polyfoam Yalıtım Sanayi ve Tic Ltd.

2008

listed on



Listed on the Warsaw Stock Exchange



BRA



TYTAN PROFESSIONAL
Build with confidence

Tytan Professional offers a wide range of products designed for construction and finishing works: polyurethane foams, sealants, adhesives, wood preservatives, tapes, waterproofing compounds, insulation systems, mortars, plasters, paints and many others.

At each stage of the construction or renovation process, Tytan provides comprehensive and effective solutions. For this reason, Tytan-branded products enjoy a reputation among professionals in more than 30 countries worldwide.



ARTELIT PROFESSIONAL
Flooring systems

Artelit Professional is a system of professional products for installation of parquet flooring and carpets: parquet and carpet adhesives, leveling compounds, varnishes, primers and more.

The Artelit system is designed for a full range of jobs: from substrate preparation to bonding the carpet or parquet, to finishing and maintenance.

The expertise and experience of Artelit's technical advisors guarantees professional support in the selection of technology and products.

SELENA'S BRANDS

AND



MATIZOL Professional waterproofing

Matizol offers specialist solutions for waterproofing of flat and sloping roofs and foundations. Matizol includes a wide range of asphalt membranes – from traditional to SBS modified – as well as bituminous shingles, shingle underlay and shingle adhesive. Matizol membranes and shingles provide superior waterproofing, suitable for construction projects as well as renovation works.



QUILOSA Future built on experience

Quilosa is a leading Spanish brand with 75 years of experience in the development and distribution of chemical products. The first Quilosa adhesives were marketed in the 1940s. Today the brand features a broad range of products for the construction sector and industry as well as for DIY users: adhesives, sealants, PU foams, chemical anchors, mortars and many others. Quilosa products are available across the Iberian Peninsula, in Latin and North America.



COOL-R Cooling & waterproofing

COOL-R is a highly reflective waterproofing coating, recommended for new and existing flat roofs. It creates a seamless, durable and waterproof layer, with an innovative and unique cooling feature. Application of COOL-R on the roof top reduces temperature inside the building (by reducing temperature of the roof), which improves thermal comfort. In addition, building owners can decrease electricity consumption for air conditioning, thus reducing their maintenance costs.



R&D

WHERE TECHNOLOGICAL EXPERTISE MEETS CREATIVITY – THE FORMULA OF SUCCESS

Innovations which are the springboard into the future of our business are very often the fruit of collective efforts of our company's R&D department. The R&D section of Selena develops new solutions which open new horizons in the construction market at the same time constantly improving existing products in our effort to meet the needs of professionals. The R&D Department of Selena relies on the daily creative input of almost 50 people in the laboratories in Poland, Turkey, China and Italy. For our researchers, technology is not only a professional challenge but also their passion.

The network of our R&D labs allows us to maximize the outcome of conducted research and to share expertise, ideas and experience gained by researchers working in diversified local environments.

Selena Group cooperates on the permanent basis with scientists, institutions and academics. In recognition of these efforts, we have been awarded a grant from the EU Horizon 2020 Programme which finances and promotes innovation in the R&D sector.

Creativity and technological know-how provided by the R&D department are the key elements of the successful development of our company. If the new solutions prove to be ground breaking, they are successfully commercialized by respective departments.



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FOUNDATIONS

- We provide solutions for every type of ground conditions
- We offer only well-tested systems and products
- We provide technical support and advice

Waterproofing of underground elements is a sensitive stage of a construction process to which there is no return after it is completed. This is why the contractors say: "foundations are made only once".

Groundwater, precipitation, or temperature cycles pose threat to foundations, and this is why the highest quality waterproofing is key. Limited access to the underground elements after the construction process is completed is quite a challenge, so it is essential that the materials used in them are of the highest quality and durability.

Selena offers a comprehensive choice of solutions to protect foundations against dampness. In our labs we have developed a wide array of technologies which enable us to provide a choice of products of the diversified ranges of application suited to the prevailing ground conditions.

The bitumen-based technology is the most popular waterproofing solution in Europe. Bitumen provides an ideal leak-tightness and durability. Chemical modifications developed in our laboratories (additives of rubber, polymers, aluminium, solvent bases, aqueous dispersions) extend their range of applications and improve their technical parameters.

Selena is the manufacturer of numerous products of bitumen-based technology including foundations insulation membranes, primers, compounds and coatings.

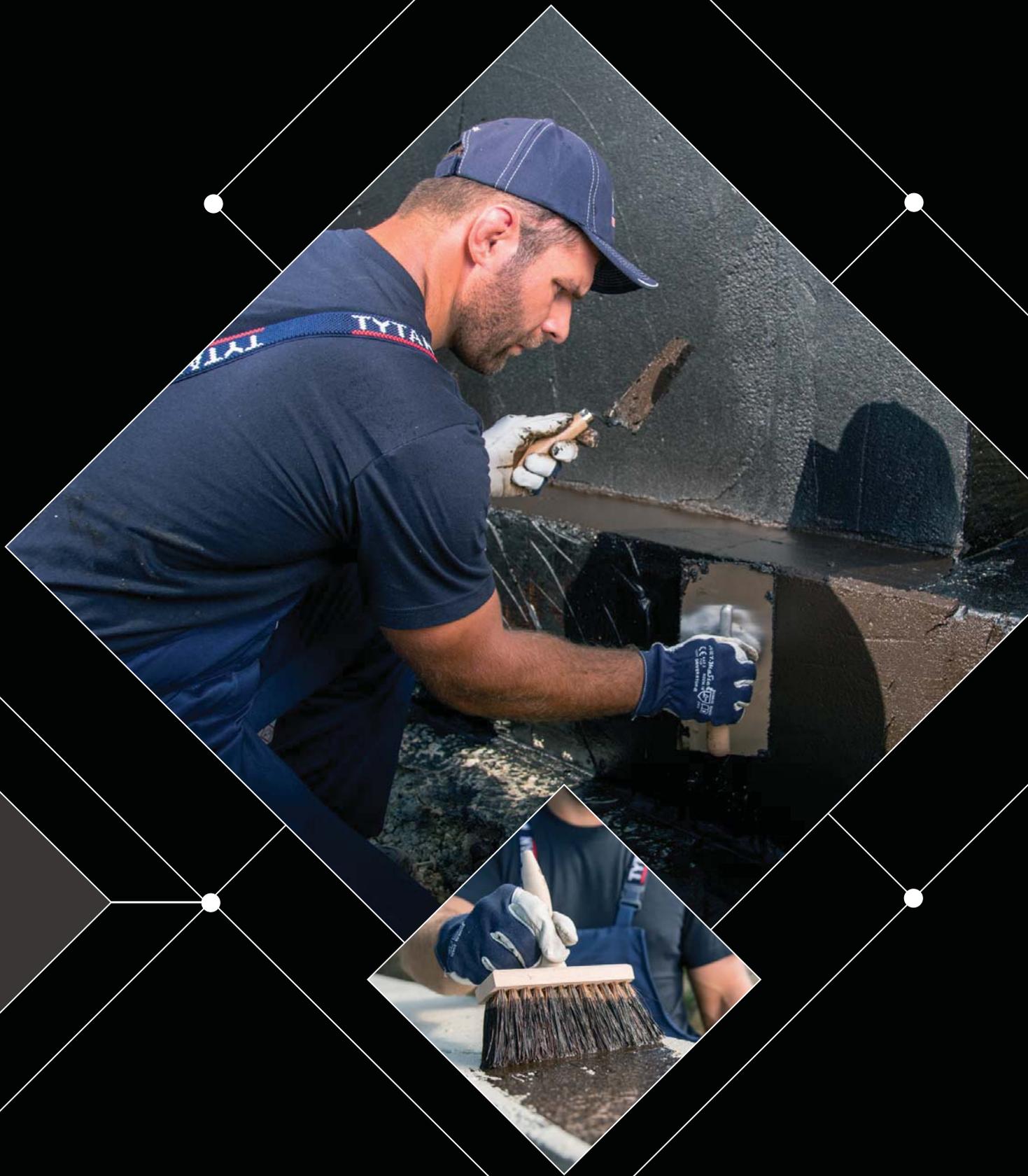
Thanks to the implementation of the cement technologies we can also offer waterproofing solutions for the internal parts of buildings such as bathrooms and basements and for the facilities which are constantly exposed to water, such as swimming pools, ponds and industrial water tanks.

Our systems are carefully tested and certified solutions, in compliance with rigorous technical norms. We develop and test them in consultation with contractors in order to meet their needs and fulfil the demands of everyday work.

This allows us to offer the following solutions:

- Tack-R KMB 2K a resin for heavy waterproofing
- Tack-R bituminous self-adhesive membranes
- Tack-R Green bituminous anti-root membranes





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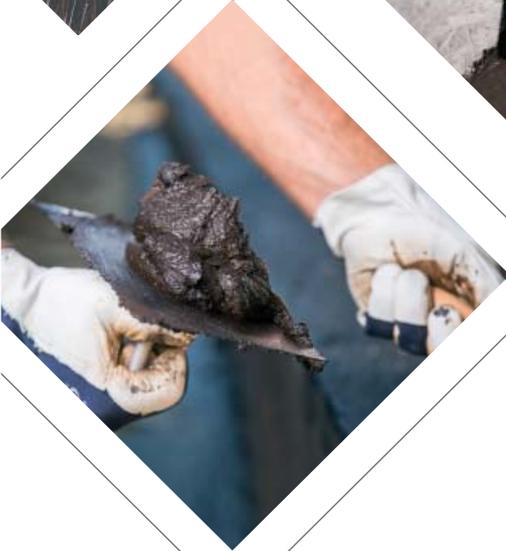
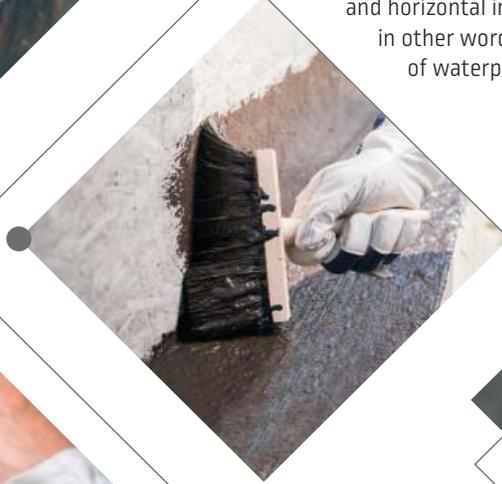
The strip footing is a load bearing element of a building structure. It bears extreme loads depending on the height of a structure. Proper securing of these element is the key aspect of every construction.

A choice of proper materials and technologies used for waterproofing of underground elements is strictly related to the prevailing ground conditions and the kind of a substrate, groundwater level and the amount of precipitation.

A detailed analysis of these conditions is prerequisite for the proper choice of waterproofing materials but also for the proper construction of the foundations (mats, strip foundations and foundation walls).

A major error in performing the foundations waterproofing is the wrong choice of a technology in relation to the level of groundwater. Such errors can lead to the dampness of walls and foundation footings, the penetration of moisture into the basement, the formation of mould and fungi and the corrosion of concrete.

The proper performance of a waterproofing coating is as important as the choice of waterproofing materials. It is key that a strict technological regime is followed (in compliance with the guidelines provided by the manufacturer) and the technological breaks are observed. The connections of vertical and horizontal insulation, expansion joints and pipe passages in other words, the connections of different types of waterproofing are extremely sensitive areas.

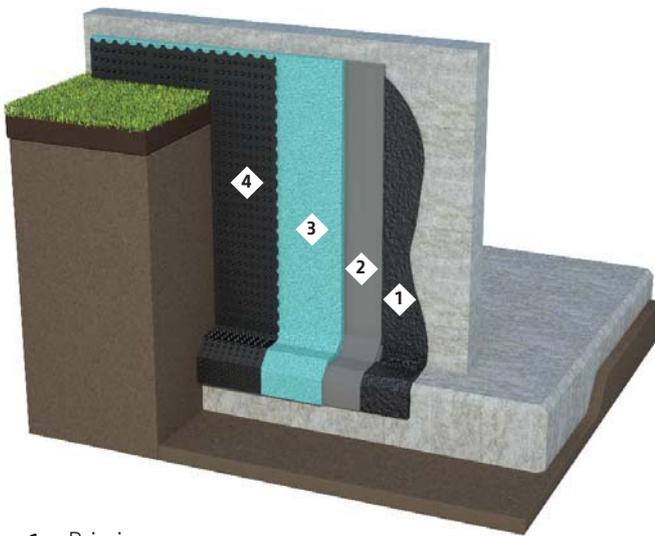


How to choose proper waterproofing?

In relation to the ground permeability and groundwater level we can distinguish three types of foundation waterproofing:

- **light type waterproofing (moisture resistant)** which is performed in the conditions of the high ground permeability when the level of groundwater is below the foundation seating level of a building
- **medium type waterproofing** which is performed in the conditions of low ground permeability (cohesive soils), when the level of groundwater fluctuates periodically depending on the amount of rainfall and remains min 30 cm below the bottom of the foundation
- **heavy type waterproofing (water resistant)** is performed in the conditions of the constant pressure of groundwater (the ground water level is higher than the level of foundations)

The determination of the proper type of waterproofing requires the implementation of specific materials and technologies which can effectively ensure protection of the underground parts of buildings against the harmful effects of water.



1. Priming
2. Bituminous coating
3. Thermal insulation
4. Drainage mat

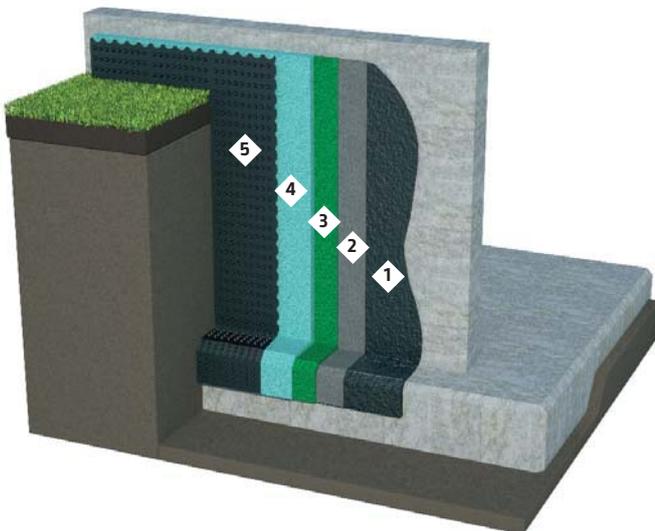
Bituminous masses should be applied to the depth of 3 m below ground level.

Bituminous compounds

Bituminous compounds are applied for priming the substrate as well as for making a vertical moisture resistant insulation (the light type). Bituminous compounds are characterized by high adhesion to most substrates. Their technical parameters depend on the additives used.

Two-component, thick-layer compounds

The two-component (polymer-bituminous) compounds are new generation products suitable for performing a moisture resistant insulation as well as for a water resistant (waterproof) one. The essential advantage of the two-component compounds is their high elasticity also at low temperatures. They become resistant to precipitation as soon as 2 hours after their application. They allow for the backfilling of the foundations within 2 days after application which means shorter exposure to the risk of damage.



1. Priming
2. Bituminous membrane (underlayer)
3. Bituminous membrane (toplayer)
4. Thermal insulation
5. Drainage mat

Anti-root membranes should be used in order to protect the underground elements against trees and shrubs.

Heat-sealed and self-adhesive membranes

Bituminous membranes are a proper choice for the heavy type of waterproofing. Modified with the SBS additive, they remain flexible at low temperatures and their adhesion to the substrate is excellent.

Some of the many advantages of the application of the bituminous membranes are: the relative ease of maintaining an even thickness of the waterproofing layer and the possibility of immediate backfilling of the foundations.

Foundation membranes are applied in a single or double-layer system for both horizontal and vertical insulation.

The horizontal insulation of foundations

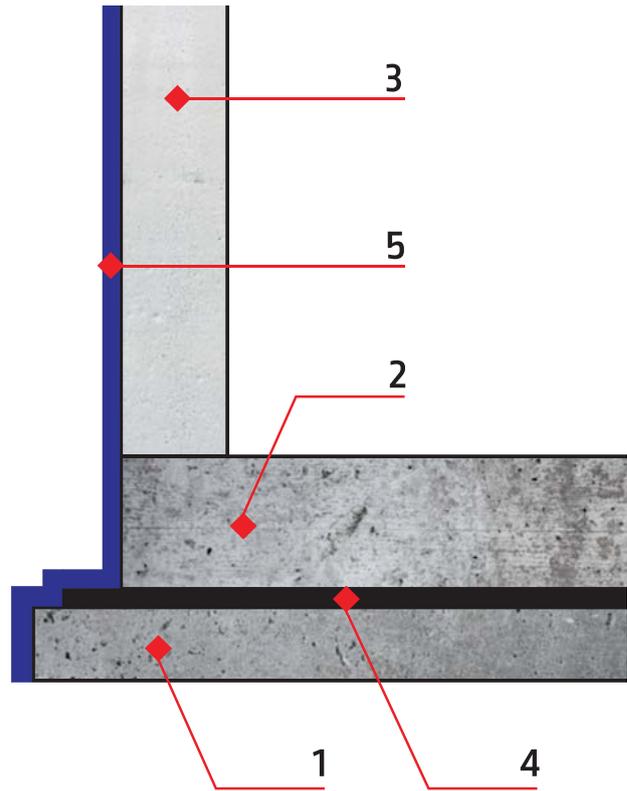
The horizontal insulation of the foundations serves to keep moisture in the bottom part of foundations and prevent it from permeating upwards. It protects the upper parts of the foundations against the capillary absorbency, or an upward infiltration of dampness into the walls.

The vertical insulation of foundations

The vertical insulation of the foundation serves to separate the foundation walls from the moisture accumulated in the ground in the form of groundwater and rain water.

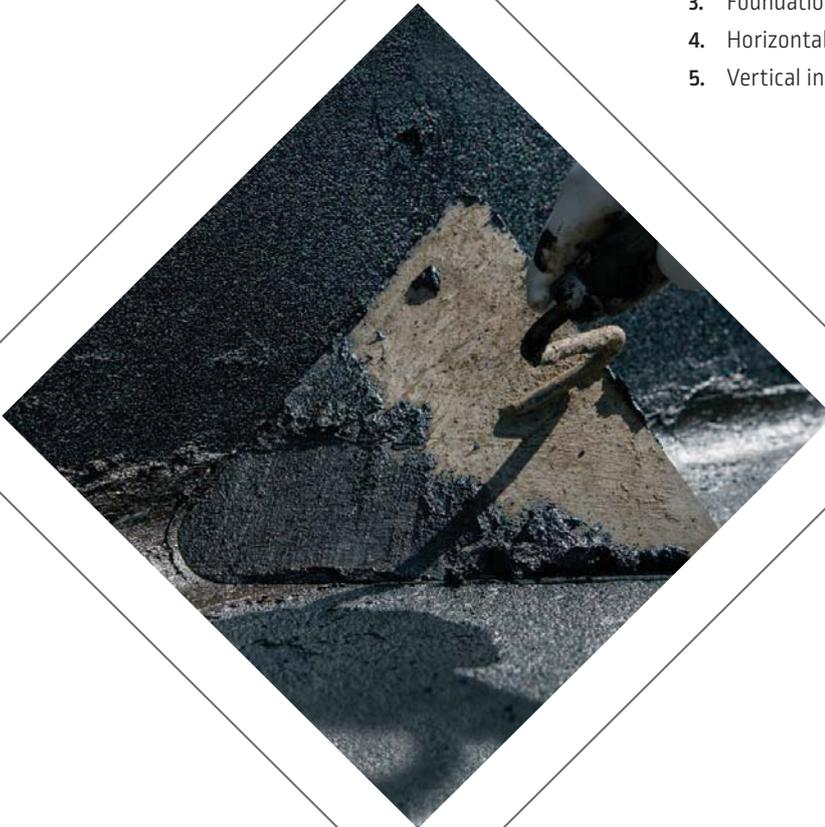
Underfloor waterproofing

The selection of the materials for underfloor waterproofing depends on the purpose of the lower floor of a building. The bituminous membranes are recommended for basements, garages, and parking areas. In other cases, the implementation of solvent-free and oil-free materials is recommended, for example elastic sealing mortars.



The heavy insulation system for buildings with basement – seated on the mat

1. Substrate concrete
2. Bottom mat
3. Foundation wall
4. Horizontal insulation of the bottom mat
5. Vertical insulation







Abizol R

Bitumen Primer

Bitumen compound slightly modified with synthetic rubber and special additives that allow deep substrate penetration and use on slightly moisten substrates. It is designed for priming under bituminous coatings. The applied membranes are very resistant to cracks caused by frost, strongly bind to the substrate and partially absorb the surface movement and micro cracks.



APPLICATIONS:

- Priming of concrete substrates
- Initial covering under hydrophobic coatings
- To create light hydrophobic insulation coatings

BENEFITS:

- Works even on slightly moisten surfaces
- Deeply penetrates the substrate
- Resistant for weak acids and bases

TECHNICAL PARAMETERS:

- Consistency: liquid
- Colour: black
- Application temperature: +5°C to +35°C
- Initial drying time: 6 h
- Curing time: 12 h
- Consumption: 0,2–0,3 kg/m² for 1 layer
- Number of layers: 2–3

Product name	Content	Packaging	Pieces per pallet
Abizol R	9 kg	Bucket/ metal bucket	44/ 44
	18 kg	Bucket/ metal bucket	27/ 33

Abizol P/S

Universal Waterproofing Compound

Cold-applicable bitumen compound modified with synthetic rubber and resins designed for seamless hydrophobic insulations of underground parts of the buildings. Product can be used for coating of concrete industrial water basins.



APPLICATIONS:

- Hydrophobic vertical insulations of underground parts of buildings

BENEFITS:

- Create durable and resistant layer up to -20°C
- Strongly bound to the substrate
- It can be used on slightly moisten surfaces

TECHNICAL PARAMETERS:

- Consistency: half-liquid substance
- Colour: black
- Application temperature: +5°C to +35°C
- Initial drying time: 6 h
- Curing time: 12 h
- Consumption: 0,5–0,7 kg/m² for 1 layer
- Number of layers: 2–3 depending on application

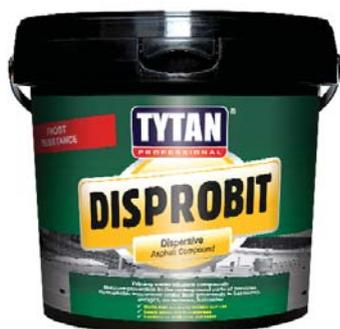
* Technical data and application instruction are given for the temperature +23°C ± 2°C and humidity ca. 60%. Lower temperature and higher humidity can make the curing time longer.

Product name	Content	Packaging	Pieces per pallet
Abizol P/S	9 kg	Bucket/ metal bucket	44/ 44
	18 kg	Bucket/ metal bucket	27/ 33

Disprobit

Dispersive Asphalt Compound

Disprobit compound is a dispersive asphalt compound modified with synthetic rubber. It is designated for light hydrophobic insulations. Disprobit compound can be applied on dry and moist surfaces. Can be combined with foamed polystyrene.



APPLICATIONS:

- Priming under bitumen compounds (water based compounds)
- Moisture-prevention in the underground parts of buildings
- Hydrophobic insulations under floor pavements in basements, garages, on terraces, balconies

BENEFITS:

- Works on dry and moist surfaces
- Does not flow down the vertical surfaces
- Does not contain solvents

TECHNICAL PARAMETERS:

- Consistency: thixotropic substance
- Colour: dark brown/ black
- Application temperature: +5°C to +30°C
- Priming:
 - dilution with water: 1:2
 - consumption: 0,2–0,3 kg/m²
- Insulation:
 - curing time for 1 layer: 6 h
 - consumption: 0,8–1,2 kg/m² for 1 layer
 - number of layers: 2–4 depending on application

Product name	Content	Packaging	Pieces per pallet
Disprobit	1 kg	Bucket	80
	10 kg	Bucket/ metal bucket	44/ 44
	20 kg	Bucket/ metal bucket	27/ 33

Abizol G

Bitumen Rubber Mastic

Aizol G is an elastic dense bitumen putty modified with synthetic rubber and reinforced with fibers. It creates insulation layers which are very resistant to cracks caused by frost. Created membranes are very flexible, they are able to absorb the surface movements and are resistant to weather conditions, soft acids and bases, aggressive substances in the soil.



APPLICATIONS:

- Spot sealing in hydrophobic insulation
- Creating elastic seamless hydrophobic membranes underground

BENEFITS:

- Contains reinforcing fibers
- Absorbs even significant surface movement
- Works even on slightly moisten surfaces

TECHNICAL PARAMETERS:

- Consistency: dense thixotropic substance
- Colour: black
- Layer thickness:
 - repairs: 2–5 mm
 - jointless membranes: 2–3 mm
- Application temperature: +5°C to +35°C
- Initial drying time: 3–4 h
- Curing time: 3–4 days
- Consumption: ca 1,2 kg/m² for 1 mm of layer thickness
- Number of layers:
 - hydrophobic membranes: 2–3
 - sealing: depending on needs

Product name	Content	Packaging	Pieces per pallet
Abizol G	1 kg	Bucket/ metal bucket	324/ 378
	5 kg	Bucket/ metal bucket	80/ 96



Abizol ST

Asphalt Rubber Compound

Highly modified asphalt-rubber compound with consistency of paste. Thanks to its thixotropic qualities the coating does not flow down even from vertical surfaces and can be applied on uneven and complicated surfaces with various slopes. The coatings after drying are tight, very flexible and can absorb the substrate cracks up to 5 mm. It does not damage the foamed polystyrene and can be used also inside basements and garages.



APPLICATIONS:

- Gluing polystyrene and extrude boards to concrete, masonry walls
- Insulations of underground parts of the building – of light, medium and heavy waterproof types
- Hydrophobic insulations under floor pavements on terraces, balconies

BENEFITS:

- Does not flow down the vertical surfaces
- Contains no solvents

TECHNICAL PARAMETERS:

- Colour: dark brown, after drying (curing) black
- 1 layer thickness: up to 2 mm
- Curing time (drying) of 1 layer:
 - 3–5 days for coating
 - Up to 14 days for the adhesive
- Quantity of layers: 2–4
- Dry mass residue: 60%
- Consumption:
 - Waterproofing: cca. 1,2 kg/m²/mm of layer thickness
 - Polystyrene gluing: 0,8–2 kg/m² (spot gluing)
- Temperature of substrate and air during application: +5°C to +30°C
- Applying method: putty knife, throwel, spatula

Product name	Content	Packaging	Pieces per pallet
Abizol ST	9 kg	Bucket/ metal bucket	44/ 44
	18 kg	Bucket/ metal bucket	27/ 33

Abizol 2K

2-Component Bitumen Waterproofing Compound

Bitumen-polymer water-based mastic, reinforced with fibers. It is combined of 2-components: liquid and powder.



APPLICATIONS:

- Waterproofing (light, medium, heavy types) of mineral substrates (foundation and basement walls)
- Installing polystyrene boards to the substrates coated with bitumen compounds.

BENEFITS:

- Quick hardening by chemical reaction
- Rain resistance after 5 h
- Reinforced with fibers-tear resistance
- Waterproof under pressure 0,75 MPa (7,65 m water column)*
- Does not flow down on vertical substrates
- Ecological product – does not contain organic solvents
- Meets the requirements of DIN 18 195

TECHNICAL PARAMETERS:

- Ingredients: polymer modified bitumen, mineral fillers, reinforcing fibers, water
- Consistence: thick
- Colour: black-brown, after curing black
- Density: 1,15 kg/dm³
- Application temperature: +5°C to +30°C
- Fresh layer thickness: cca. 2 mm
- Dry mass content: 70%
- Pot life: 1 h (+20°C)
- Curing time: 3–5 days

Product name	Content	Packaging	Pieces per pallet
Abizol 2K	30 kg	Bucket	18

Abizol 2KS

2-Component Bitumen Waterproofing Compound with Polystyrene Balls

Bitumen-polymer water-based mastic with polystyrene balls reinforced with fibers. It is combined of 2-components: liquid and powder.



APPLICATIONS:

- Waterproofing (light, medium, heavy types) of mineral substrates (foundation and basement walls)
- Installing polystyrene boards to the substrates coated with bitumen compounds

BENEFITS:

- Quick hardening by chemical reaction (3–5 h)
- Easily workable with trowel
- Rain resistance after 5 h
- Reinforced with fibers-tear resistance
- Waterproof under pressure 0,75 MPa (7,65 m water column)*
- Do not flow down on vertical substrates
- Ecological product – does not contain organic solvents
- Low shrink
- Meets the requirements of DIN 18 195

TECHNICAL PARAMETERS:

- Ingredients: polymer modified bitumen, mineral fillers, reinforcing fibers, water.
- Consistence: thick
- Colour: black-brown, after curing black
- Density: 1,15 kg/dm³
- Application temperature: +5°C to +30°C
- Fresh layer thickness: cca. 2 mm
- Dry mass content: 75%
- Pot life: 1 h (+20°C)
- Curing time: 3–5 days

Product name	Content	Packaging	Pieces per pallet
Abizol 2KS	30 l	Bucket	18

What parameters are essential in the quality appraisal of waterproofing materials for the underground elements of a building?

Waterproofing	Defines resistance to water pressure
Expansion at maximum tensile force	A parameter defining physical properties of a product
Tear strength	Tear resistance of underground waterproofing
Shear force resistance	Resistance to shearing forces at filling and ground settling and subsidence
Durability <ul style="list-style-type: none"> • Resistance to artificial aging • Resistance to chemicals 	Long life of a product
Elasticity at low temperatures	Defines if a material stays elastic at low temperatures
Contaminants	Resistance to harmful substances which may penetrate into the soil



Tack-R KMB 2K 2-Component Polymer Modified Bitumen Coating

2-component, fiber reinforced, highly elastic polymer modified bitumen coating for waterproofing of buildings in below ground structures.



APPLICATIONS:

- Sealing against ground moisture and water, including water load at constant pressure of building in below ground structures
- Dedicated for external walls, foundations, basements floors

BENEFITS:

- Quick hardening by chemical reaction
- Rain resistance after 5 h
- Reinforced with fibers-tear resistance
- Waterproof under pressure 0,75 MPa (7,65 m water column)*
- Do not flow down on vertical substrates
- Ecological product – does not contain organic solvents
- Meets the requirements of DIN 18 195

TECHNICAL PARAMETERS:

- Ingredients: polymere modified bitumen, mineral fillers, reinforcing fibers, water
- Consistence: thick
- Colour: black-brown, after curing black
- Density: 1,15 kg/dm³
- Application temperature: +5°C to +30°C
- Fresh layer thickness: cca. 2 mm
- Dry mass content: 75%
- Pot life: 1 h (+20°C)
- Curing time: 3–5 days
- Consumption
 - for non pressing ground water 4,5 kg/m²
 - for pressing ground water 5,5-6,0 kg/m²

Product name	Content	Packaging	Pieces per pallet
Tack-R KMB 2K	30 kg	Bucket	18

Tack-R TF10 S32 Bitumen Membrane

Tack-R TF10 S32 is a torch-on foundation bituminous membrane with polyester reinforcement. It is modified with SBS.



APPLICATIONS:

- Waterproofing of vertical and horizontal underground parts of the buildings
- First and/ or second layer in multilayer systems

TECHNICAL PARAMETERS:

- Reinforcement: non-woven polyester
- Thickness: 3,2 mm
- Top side: polyethylene foil
- Bottom side: polyethylene foil
- Elasticity at low temperature: ≤ -10°C

Product name	Content	Packaging	m ² per pallet
Tack-R TF10 S32	35 kg	Roll 10 x 1 m	200

Tack-R SF20 S25 Bitumen Membrane



Tack-R SF20 S25 is a self-adhesive foundation bituminous membrane with polyester reinforcement. Modified with SBS and additives improving adhesion parameters.

APPLICATIONS:

- Waterproofing of underground parts (one-layer vertical systems or two-layers horizontal systems)

TECHNICAL PARAMETERS:

- Reinforcement: polyester textile
- Thickness: 2,5 mm
- Top side: polypropylene textile
- Bottom side: protective silicone foil
- Elasticity at low temperature: $\leq -20^{\circ}\text{C}$

Product name	Content	Packaging	m ² per pallet
Tack-R SF20 S25	32 kg	Roll 10 x 1 m	240

Tack-R Green S40 Bitumen Membrane



Tack-R Green S40 is a torch-on foundation bituminous membrane with polyester reinforcement. It is modified with SBS. It is confirmed by FLL certificate to be resistant to root penetration.

APPLICATIONS:

- Waterproofing of underground parts (one-layer vertical systems or two-layers horizontal systems)

TECHNICAL PARAMETERS:

- Reinforcement: non-woven polyester
- Thickness: 4,0 mm
- Top side: mineral
- Bottom side: polyethylene foil
- Elasticity at low temperature: $\leq -20^{\circ}\text{C}$

Product name	Content	Packaging	m ² per pallet
Tack-R Green S40	38 kg	Roll 7,5 x 1 m	150

What are elastic sealing mortars?

The elastic sealing mortars are multi-component materials based on the cement-polymer technology which ensures waterproofing without the necessity of applying thick layers of the material. Thanks to their enhanced elasticity, the sealing mortars are perfect for bridging and sealing of scratches and cracks. They are solvent-free, resistant to aggressive agents in the ground and environmentally-friendly.

The sealing mortars can be applied on damp surfaces. They form coatings resistant to the freezing and thawing cycles and they retain elasticity even at low temperature.



Hydro 2K

Waterproofing Mortar



2-component, durable and flexible waterproofing mortar, resistant to positive and negative water pressure.

APPLICATIONS:

- Terraces and balconies
- Waterproofing in damp and wet areas, including: swimming pools, washrooms, showers or bathrooms, garden ponds or industrial water tanks

BENEFITS:

- Can be applied on very damp substrates
- Resistant to frost and ageing
- Resistant to aggressive chemical environments
- Crack-bridging ability
- Very good adhesion
- Resistant to scratching, good load capacity and high vapour permeability
- Fast curing (can be tiled and walk on after 24 h)
- Environmentally friendly, contains no solvents

TECHNICAL PARAMETERS:

- Consumption per 1 mm: 1,5 kg/m²
- Consumption against moisture and non-pressure water: min 1,5 mm, ca. 2,3 kg/m²
- Against pressure and ground water, water tanks: min 2,5 mm, ca. 3,7 kg/m²

Product name	Content	Packaging	Pieces per pallet
Hydro 2K	8 kg	Bucket	32
	24 kg	Bucket	32

Tape "TPER"



Recommended for use together with Hydro 2K, to ensure perfect waterproofing. Effectively protects joints against penetration of water and moisture.

TECHNICAL PARAMETERS:

- Composition: tape made from: polyester mesh. Central stripe is covered from up and bottom by thermoplastic elastomer, bottom side of elastomer is covered by polypropylene fabric
- Size:
 - total wide: 80–3 200 mm
 - elastomer wide: 80–3 200 mm
- Watertight under pressure: 0,5 MPa

Product name	Type	Dimensions	Packaging	Pieces per box	Pieces per pallet
Tape "TPER"	Tape	120 mm x 10 m	Box	36	504
	Tape	120 mm x 50 m	Box	16	96
	Wall cuff	120 x 120 mm	Box	–	–
	Floor cuff	425 x 425 mm	Box	–	–



Foundations

Gun Foam Adhesive



A professional solution dedicated to mounting XPS boards to insulate building foundation. It has a perfect adhesion to bitumen membranes and waterproofing felts.

APPLICATIONS:

- Thermal insulation of foundations

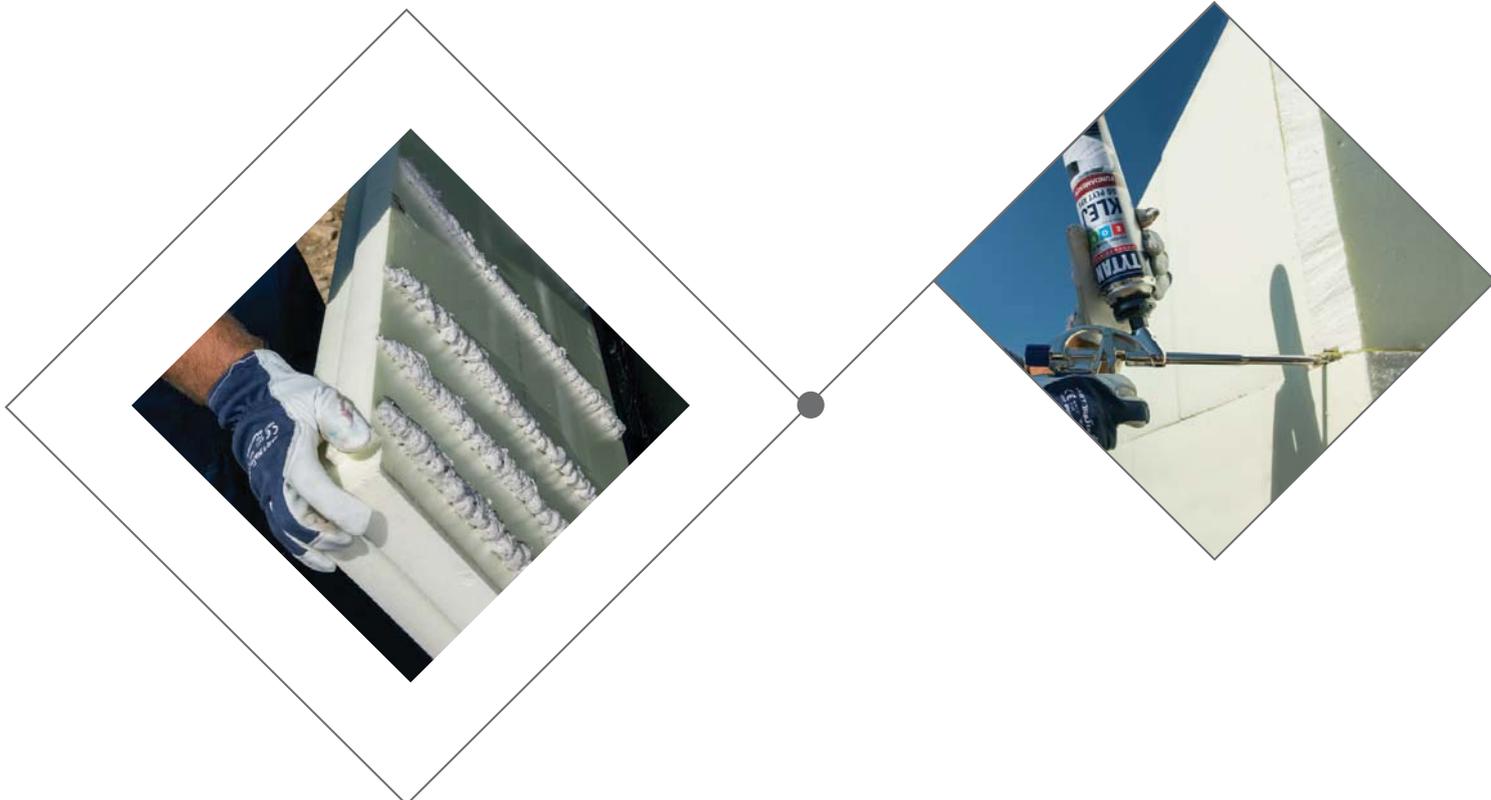
BENEFITS:

- Easy and comfortable usage
- Fully cured after 2 h
- Wide range of temperatures
- Perfect adhesion

TECHNICAL PARAMETERS:

- Yield: up to 14 m²
- Application temperature: 0°C to +30°C
- Open time: ≤ 5 min
- Correction time: ≤ 15 min
- Coefficient of thermal conductivity: $\lambda < 0,036 \text{ W/mK}$
- Shelf life: 12 months

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Foundations Gun Foam Adhesive	750 ml	Can	12	624



Thermal insulation of the foundations

Thermal insulation of the foundations should be performed at all times, in buildings with or without basements. Uninsulated foundation walls due to their contact with cold, damp ground are responsible for up to 20% of heat loss from the building.

The thermal insulation of underground parts is applied to the depth of min 1 meter, that is below the freezing point of the ground. It is essential that the insulation is unbroken to eliminate thermal bridges. The most popular material are XPS panels – waterproof, extruded polystyrene panels which have a very high mechanical resistance. The XPS panels are laid directly on the waterproofing layer and then covered with a drainage membrane to secure the insulation against the damage which may be incurred during the filling of foundations. The XPS panels must not be fitted mechanically so that waterproofing layer is not disrupted.

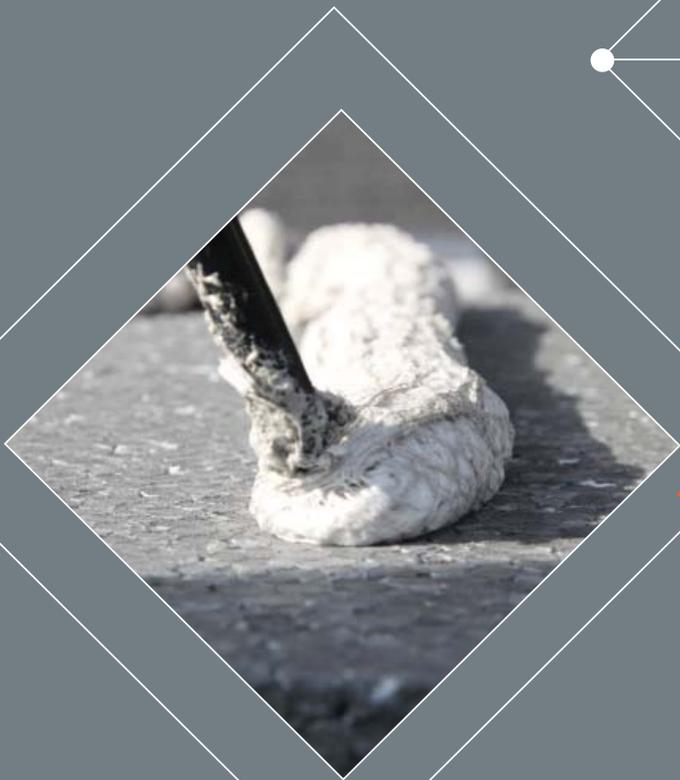
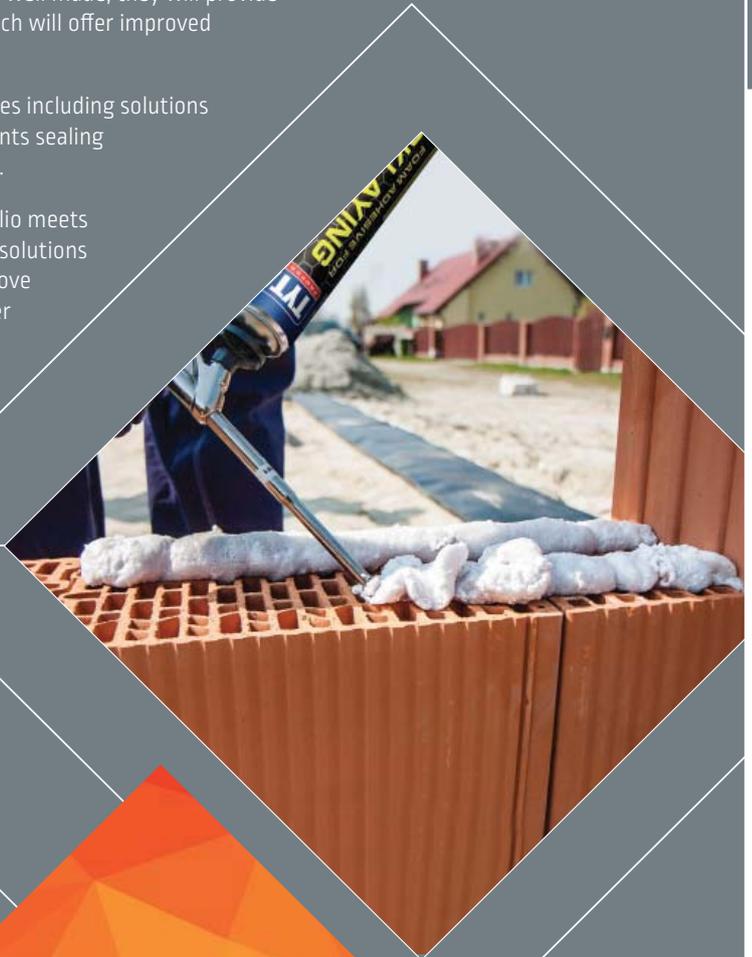


WALLS & FACADES

Walls and Facades are an essential part of the construction. If well made, they will provide strength, durability and an aesthetically pleasing building which will offer improved comfort of living and increase energy savings.

Selena offers a wide portfolio of products for Walls and Facades including solutions for bricklaying, plastering, external and internal insulation, joints sealing and products for bonding and anchoring on facades and walls.

With innovative solutions, prepared by experts, Selena portfolio meets all professional requirements. The combination of traditional solutions with modern technologies and components allows us to improve the buildings' performance and make construction work easier and faster. This means guaranteed satisfaction for everyone involved in the construction from professional contractors to investors.



Construction of Walls

Facade Solutions

Facade Sealing, Bonding & Anchoring



CONSTRUCTION OF WALLS

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CONSTRUCTION OF WALLS

Given the fundamental role of a wall it is important that it should satisfy all functional performance requirements adequately. The main requirements for a wall are: strength, stability, weather and moisture resistance, durability and resistance.

Tytan Professional portfolio was developed to meet all necessary parameters and to work with a variety of materials and technologies of walls.

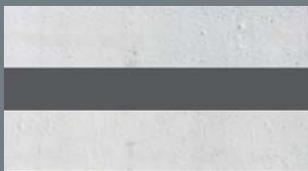
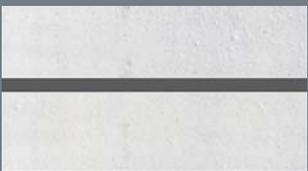
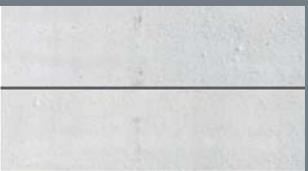
Masonry walls

The most popular and traditional way of erecting walls. They are made of individual units of bricks, stones, marbles, granites, concrete blocks, tiles which are held together by binding element. Historically, the binding element for the masonry walls has been mortar, since it has been in use for centuries. Selena as a pioneer in new technologies offers a new solution: Foam Adhesive for Bricklaying - a tested solution that makes **the bricklaying work much faster, easier and cleaner.**

Choosing the right binding element for masonry wall depends on the level of calibration of the masonry unit. In case of calibrated materials with a block deviation below <math>< 2\text{ mm}</math>, it is possible to use Foam Adhesive or a Thin Bed Mortar. Calibrated materials are usually made of Aerated Concrete, Ceramic or Silicate.

Non-calibrated materials have to be bonded using mortar, since the joint between blocks is higher than 3 mm.

Below are the joint thicknesses achieved by using each kind of bricklaying technology. **The lower the joint the fewer thermal bridges.** That means reduction of heat loss in the construction.

Bricks:	Uncalibrated	Calibrated	
Type of Binding Technology	Traditional Mortar	Thin Bed Mortar	Foam Adhesive for Bricklaying
Joint Width	10–30 mm	1–3 mm	0,5–1,5 mm
			
			

Drywall

An option for raising walls without the need for mortar or mason units is by using drywall.

Drywall or dry building is a fast and efficient way of building walls. Instead of bricklaying with masonry units, composite sheets made of wood, gypsum, cement or other materials are fixed to a frame made of wood or metal.

The main advantage of such system is the time saved on the construction by eliminating mortar, easiness to finish the wall and the simplicity of repair and modifications.

Selena has developed a portfolio for the different stages of building with drywall:

Bonding walls: Adhesives based on Polyurethane that can be used to bond the sheeting boards to the main structure improving thermal efficiency of the wall and preventing squeaks and nails pop.

Finish and Sealing: Acrylic and Hybrid sealants that can be used for repairing cracks on the boards or to seal joints in the wall. These products are paintable and guarantee an aesthetic finish of the wall.



FOAD for Bricklaying – a new way of building

The masonry wall structure is made with two components: Masonry units and mortar. The thickness of the joint is always the coldest part of the wall, this is caused by the lower thermal characteristics of the mortar. That's why it is recommended to use Thin Layers. The latest product developed for this is Foam Adhesive for Bricklaying. A product based on polyurethane dedicate for bonding masonry units, reducing thermal bridges and simplifying the construction process.



Application



Perimeter walls in precast building



Partition walls



Load bearing walls in family houses

Comparison

Average house 285 m² of wall surface (load bearing wall).

Working efficiency			
	Thick layer mortar	Thin layer Mortar	FOAD for Bricklaying
Weight needed	11 250 kg	2 375 kg	48 kg
Preparation time	10 – 20 min	10 – 20 min	1 min
Building time	14 days	9 days	7 days
Fully cured and ready for plaster	up to 28 days	up to 28 days	24 h
Temperature application	-10°C to +30°C	+5°C to +30°C	+5°C to +30°C
Energy Efficiency			
Joint width	10 – 30 mm	1 – 3 mm	0,5 – 1,5 mm
*Thermal resistance (U) 44 cm	2 – 3 W/m ² K	1 – 1,5 W/m ² K	0,1 W/m ² K
**Water vapor permeability (μ)	15 wet / 35 dry	35 wet / 35 dry	60 wet / 60 dry

* The higher the thermal resistance the lower energy efficiency of the building.
 ** Air and Vapor are carrier of heat. Higher permeability mean lower energy transfer and higher efficiency.



Certified and tested:

- Technical approval for different materials such as TLMB AAC, silicate and ceramic block
- Confirmed classification of wall fire resistance on load and non load bearing walls (EN 13501-2:2008)
- Resistant for seismic excitations
- Stable adhesion strength under different weather conditions
- Durability of joints > 100 year



Foam Adhesive for Bricklaying

Foam Adhesive for Bricklaying is an alternative for cement-based thin bed mortars. It is suitable for bonding a wide range of calibrated materials such as autoclaved aerated concrete, calibrated ceramic bricks and silicate blocks.



APPLICATIONS:

- Load bearing walls
- Partition walls
- Cellular concrete, calibrated ceramic bricks and silicate blocks

BENEFITS:

- 24 h – full wall resistance
- Stronger than traditional mortars
- Resistant against fire and seismic activity
- Reduction of thermal bridges
- Hundreds of years of durability
- Cleaner and faster bricklaying
- Tested and approved for: AAC, calibrated ceramic and silicate block
- Can be applied in below zero temperatures

TECHNICAL PARAMETERS:

- Yield: up to 12 m²
- Application temperature: -10°C to +30°C
- Can temperature: +10°C to +30°C
- Initial cure: 2 h
- Full cure time: 24 h
- Correction time: ≤ 3 min
- Coefficient of water vapor permeability (μ): 60/60
- Coefficient of thermal conductivity: (λ) < 0,036 W/mK
- Shelf life: 12 months

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Foam Adhesive for Bricklaying	750 ml	Can	12	624





CONSTRUCTION OF WALLS

TEO 224

Thin Bed Mortar



Thin Bed Mortar for bricklaying of interior and exterior walls of calibrated materials such as autoclaved aerated concrete blocks, sand-lime (silicate) blocks and calibrated ceramic bricks with thin joint (2-6 mm). It is also recommended for other works in the construction industry, for example smoothing, filling cavities. It has excellent adhesion to various construction substrates. For applications in residential and industrial construction.

BENEFITS:

- For aerated concrete blocks laying
- For silicate blocks laying
- Vapour permeable
- Flexible and hydrophobic thin joint

TECHNICAL PARAMETERS:

- Mixing ratio: approx. 6,5 l of water for 25 kg of dry blend
- Layer thickness: 2–6 mm
- Max. size of the aggregates according to the standard: < 2,0 mm
- Bulk density: 1 630 kg/m³ ± 10%
- Bulk density of fresh mortar: 1 660 kg/m³ (± 5%)
- Compressive strength: ≥ 10 N/mm²
- Initial shear strength: 0,3 N/mm² (tab. value)
- Thermal conductivity coefficient (λ10, dry): 0,76 W/mK (tab. value)
- Adjustment time: up to 10 min
- Application temperature: + 5°C to +25°C
- Colour: grey or white
- EN 998-2 TYPE T, M10

Product name	Content	Packaging	Pieces per pallet	Colours
TEO 224 Thin Bed Mortar	25 kg	Bag	48	Grey White

TEO 234

Clinker Mortar



Clinker Mortar is designed for bricklaying facades, external and internal walls and other architectural elements made of clinker, such as: fences, chimneys. The product can be used for pointing clinker tiles up to 30 mm thickness. It is a composition of cements, lime dusts and mineral aggregates and premium quality modifying additives, which makes the mortar workable, easy and convenient to use. It features very good adhesion to the substrate, and high resistance to frost and water.

BENEFITS:

- For clinker brick laying
- For pointing tiles
- Decreases the possibility of salt efflorescence
- Vapour permeable
- Frost and water resistant

TECHNICAL PARAMETERS:

- Mixing ratio:
 - x 0,14 l of water for 1 kg of dry mortar
 - x 3,5 l of water for 25 kg of dry mortar
- Bulk density of fresh mortar: 1 630 kg/m³ ± 10%
- Compressive strength: ≥ 10 N/mm²
- Flexural strength: ≥ 3 N/mm²
- Initial shear strength: 0,15 N/mm² (tab. value)
- Working life: up to 2 h
- Layer thickness: 5–25 mm
- EN 998-2 TYPE GP, M10 TEO 234

Product name	Content	Packaging	Pieces per pallet	Colours
TEO 234 Clinker Mortar	25 kg	Bag	48	Grey Graphite Antracite Brown

Scratch Coat



Scratch Coat is a cement based mortar applied directly onto the substrate before the application of finish layer of Tytan Building System. It is recommended for the mineral substrate preparation which will receive cement-lime plaster machine or manually applied. It improves the plaster adhesion to walls and ceilings, and levels the substrate absorption.

BENEFITS:

- Improves the adhesion to substrate
- Increases the efficiency of the next layer
- Vapour permeable
- For mechanical or manual application

TECHNICAL PARAMETERS:

- Mixing ratio with water: 5,5–6,0 l for 25 kg of dry blend
- Aggregate size: up to 1,0 mm
- Application temperature: +5°C to +25°C
- Compressive strength: CS IV
- Flexural strength: ≥ 2 MPa
- Consumption: 4–8 kg/m²
- Consumption time: max. 3 h
- Colour: natural grey
- EN 998-1 TYPE GP, CSIV, W2

Product name	Content	Packaging	Pieces per pallet
Scratch Coat BS31	25 kg	Bag	48

Light Machine-Applied Plaster



Light Machine-Applied Plaster is a component of Tytan Building System for internal or external plastering, with special emphasis on porous substrates such as autoclaved aerated concrete and silicate blocks. It is characterized by very good adhesion, long processing time and high operating comfort.

BENEFITS:

- Cement-lime plaster with light filler (contains perlite)
- Fine-grain
- High efficiency
- Vapour permeable
- Flexible and hydrophobic

TECHNICAL PARAMETERS:

- Mixing ratio with water: 5,0–5,5 l for 25 kg of dry blend
- Aggregate size: up to 0,5 mm
- Application temperature (base, air, material): +5°C to +25°C
- Consumption: 1,1 kg/mm/m²
- Min layer thickness:
 - ceiling: 8 mm
 - wall: 8 mm
 - facade: 15 mm
- Max. layer thickness:
 - ceiling: 15 mm
 - wall: 20 mm
- EN 998-1 TYPE GP, CSII, W0

Product name	Content	Packaging	Pieces per pallet
Light Machine-Applied Plaster BS33	25 kg	Bag	48



CONSTRUCTION OF WALLS

TEO 124

Levelling Mortar



Levelling Mortar is recommended for local substrate repairs – allows for filling cavities, joints, dents and other local irregularities of the surface, both in walls and floors. This levelling mortar can also be used for leveling substrate (walls and floors) before the application of ceramic, gres tiles, etc., thermal insulation boards, other construction works.

BENEFITS:

- Layer thickness: 2–15 mm
- As substrate under tiles, finishing coats, plasters, subfloors
- Filling joints between prefabricated elements and gaps in concrete
- Reconstruction of shapes of concrete elements
- For horizontal and vertical substrates

TECHNICAL PARAMETERS:

- Mixing ratio with water:
 - 4,5–5,0 l for 25 kg of dry blend
 - 0,18–0,20 l for 1 kg of dry blend
- Ready-for-use time after mixing with water: to 2 h
- Application temperature: +5°C to +25°C
- Temperature resistance after full cure: -25°C to +60°C
- Application thickness: 2–15 mm
- Compressive strength: ≥ 10 N/mm²
- Flexural strength: $\geq 2,5$ N/mm²
- Bulk density 1250 kg/m³ \pm 10%
- EN 13813 CT-C10-F2,5

Product name	Content	Packaging	Pieces per pallet
TEO 124 Levelling Mortar	25 kg	Bag	48

Styro 753

Foam Adhesive



Styro 753 is recommended for bonding insulation boards to facade walls, roofs and foundations internally and externally. The adhesive enables filling gaps between the boards, thus sealing the insulation envelope to prevent heat loss.

APPLICATIONS:

- Facade walls, roofs, foundations
- EPS, XPS, PUR, mineral wool
- Sealing gaps between insulation elements

BENEFITS:

- Excellent insulation properties
- Thermal bridges reduction
- Strong and durable bond
- Water-resistance
- Low pressure formulation – no deformation

TECHNICAL PARAMETERS:

- Yield: up to 14 m²
- Application temperature: 0°C to +30°C
- Can temperature: +10°C to +30°C
- Open time: ≤ 5 min
- Correction time: ≤ 15 min
- Anchoring time: 2 h
- Coefficient of thermal conductivity: $\lambda < 0,036$ W/mK
- Fire rating: B3/F (DIN 4102/ EN13501-1:2008)
- Shelf life: 12 months

* All given parameters are based on laboratory tests compliant with internal manufacturer's standards and strongly depend on product hardening conditions (can, ambient, surface temperature, quality of used equipment and skills of person applying the product).

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Styro 753 Gun Foam Adhesive	750 ml	Can	12	624

Drywall

High Yield Adhesive



Drywall Foam Adhesive is excellent for adhering drywall sheets on studs or furring strips, boards on concrete or plywood, styrofoam, concrete, metals, masonry, steel, metals, fiberglass and more. Its high yield formula reduces canister changes and overall installation time. It adheres to most construction materials including: drywall, vinyl-faced wallboard, masonry, lumber, cork, steel studs, and other wood materials.

APPLICATIONS:

- Installing drywall panels
- Sealing small gaps
- Adheres to most construction materials including: drywall, vinyl-faced wallboard, masonry, lumber, cork, steel studs, and other wood materials

BENEFITS:

- Replaces up to 12 traditional 600 ml cartridges
- Meets ASTM D6464 and ASTM C557
- Saves money, time, and effort
- Superior adhesion- can be applied to dry, wet, or frozen surfaces
- Eliminates nail pops
- Increases thermal and acoustic insulation

TECHNICAL PARAMETERS*:

- Parameter (+23°C/ 50% RH) 1) Value
- Yield (linear yield of 1,2 cm width bead) can cu [ft]: Min 500"at 1/2" bead 800" (average result)
- Tack-free time (TM 1014-2013): ≤ 20 min
- Working time: 30 min
- Initial grab: 15 min
- Full cure time (RB024) 48 h
- Secondary increase in volume (postexpansion) (TM1010-2012): 25%
- Shear strength-dry lumber [PSI] ≥ 290
- Flammability class (DIN 4102) B3
- Application temperature: +5°C to +35°C
- Open time: 10 min
- Shelf life: 18 months

* All given parameters are based on laboratory tests compliant with internal manufacturer's standards and strongly depend on foam hardening conditions (can, ambient, surface temperature, quality of used equipment and skills of person applying the foam).

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Drywall Gun High Yield Adhesive	850 ml	Can	12	720

Subfloor

High Yield Adhesive



Subfloor Foam Adhesive's innovative high-yield formula replaces up to 12 traditional 600 ml cartridges while providing superior insulation and acoustic dampening properties.

APPLICATIONS:

- Bonding joists, subflooring, trusses, and decks
- Provides a strong bond to lumber, plywood, concrete, metals, masonry and other substrates

BENEFITS:

- One 850 ml can replaces up to 12 traditional 600 ml adhesive cartridges
- Prevents floor squeaks
- Faster than conventional adhesive application
- Bonds to wet and frozen lumber
- Superior gap and imperfection filler
- Superior floor levelling performance

TECHNICAL PARAMETERS*:

- Tack-free time (TM 1014-2013): ≤ 10 min
- Full cure time (RB024): 48 h
- Secondary increase in volume (postexpansion) (TM1010-2012): 0%
- Compression strength: 14 PSI
- Tensile strength: 61 PSI
- Shear strength-dry lumber: 400 PSI
- Application temperature: +5°C to +35°C
- Open time: 10 min
- Shelf life: 18 months

* All given parameters are based on laboratory tests compliant with internal manufacturer's standards and strongly depend on foam hardening conditions (ca, ambient, surface temperature, quality of used equipment and skills of person applying the foam).

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Subfloor Gun High Yield Adhesive	850 ml	Gun	12	720



PU Adhesive for Boards

One-component polyurethane based adhesive for professional users. It is used for joining plasterboards to walls and ceilings. The adhesive foams up slightly during the drying process, it is tough once hardened. Product tested by eco-Institut Köln.



APPLICATIONS:

- Gypsum fibre boards for dry lining and interior work of walls, ceilings and floorings (floating floors)
- For wall areas subjected to high levels of humidity like wet rooms and semi-exposed external wall areas (incl. hotel bathrooms, hospitals)
- For jointing square edged gypsum fibre boards

TECHNICAL PARAMETERS:

- Application temperature: +15°C to +25°C
- Density (ISO 2811-1): 1,49 ± 0,05 g/ml
- Skin formation time: 60–140 min (depends on ambient temperature)
- Full curing time: 24 h

BENEFITS:

- High joint strength – no joint cracks when proper processing
- Low pollutant and low emission of harmful substances – free of plasticisers and silicone
- Easy to process – simple application for the wall area and overhead

Product name	Content	Packaging	Pieces per box	Pieces per pallet
PU Adhesive for Boards	310 ml	Cartridge	12	1 440
	600 ml	Bottle	12	1 020

PU Adhesive for Flooring Boards

One-component polyurethane-based adhesive for professional users. It is used for joining flooring elements. The adhesive foams up slightly during the drying process, it is tough once hardened. Product tested by eco-Institut Köln



APPLICATIONS:

- For joining gypsum fiber boards and screed plates in flooring areas subject to high levels of humidity/moisture, dry flooring
- For jointing square edged gypsum fiber boards

TECHNICAL PARAMETERS:

- Application temperature: +15°C to +25°C
- Optimal bonding temperature: +23°C
- Density (ISO 2811-1): 1,14 ± 0,02 g/ml
- Skin formation time: 80–130 min (depends on ambient temperature)
- Open time: +23°C and 50% RH: 40–75
- Full curing time: 24 h

BENEFITS:

- High joint strength – no joint cracks when proper processing
- Ideal for underfloor heating
- Perfect for wet rooms (also in public buildings)
- Low pollutant and low emission of harmful substances – free of plasticisers and silicone
- Easy to process – simple application for the wall area and overhead

Product name	Content	Packaging	Pieces per box	Pieces per pallet
PU Adhesive for Flooring Boards	1 kg	Bottle	6	432

Green Adhesive for Boards

Waterbased adhesive for professional users. Dedicated for bonding of gypsum fiber boards. Cures by water evaporation. Product tested by eco-Institut Köln



APPLICATIONS:

- For joining gypsum fiber boards and screed plates in flooring areas – dry floors
- For jointing square edged gypsum fiber boards

BENEFITS:

- High joint strength – no joint cracks when proper processing
- Low pollutant and low emission of harmful substances – free of plasticisers and silicone
- Easy to process – simple application for the wall area and overhead

TECHNICAL PARAMETERS:

- Application temperature: > +5°C
- Density (ISO 2811-1): 1,1 ± 0,05 g/ml
- Working time: ~ 20 min (depends on ambient temperature and subfloor properties)
- Full curing time: < 24 h

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Green Adhesive for Boards	1 kg	Bottle	6	432

Drywall

Acrylic

A highly flexible sealant based on acrylic resin, recommended for pointing joints in drywall constructions. Designed for both interior and exterior use. It is characterized by an excellent adhesion to common substrates such as drywall, concrete, brick, plaster, wood or stone.



APPLICATIONS:

- Connections in the technology of drywall
- Filling scratches, cracks and joints in walls and ceilings before painting
- Sealing the door frames, window frames, window sills, balustrades
- The sealing between the wall and baseboards, ceiling and sockets

BENEFITS:

- Hygienic Certificate issued by the National Institute of Hygiene
- Can be perfectly painted
- Very flexible
- Fast curing
- Perfect adhesion to porous surfaces
- Odourless and chemically neutral

TECHNICAL PARAMETERS:

- Module at 100% elongation (ISO 37): 0,55 ± 0,05 MPa
- Movement accommodation (ISO 9047): 12,5–15,0%
- Elongation at break (ISO 8339): 135 ± 12,5%
- Elongation at break (ISO 37): 450 ± 50%
- Elastic recovery (ISO 7389): 35 ± 5%
- Shore A hardness (ISO 868): 42 ± 2%
- Temperature resistance: -20°C to +80°C
- Colour: white
- Curing rate: 1,0 mm/ 24 h (+23°C, 50% RH)

Product name	Content	Packaging	Pieces per box	Pieces per pallet	Colours
Drywall Acrylic	310 ml	Cartridge	12	1440	White



FACADE SOLUTIONS

- 46 Fast Adhesive for ETICS
- 46 Fibre-Reinforced Mortar
- 47 Universal Plaster Primer
- 47 Colloidal Silicate Plaster
- 48 Fibreglass Mesh IS165
- 48 Fibreglass Mesh IS145
- 48 Facade Profiles
- 49 Adhesive Mortar for EPS
- 49 Adhesive Mortar for Mineral Wool
- 50 Adhesive & Reinforcement Mortar
- 50 Adhesive & Reinforced Render
- 51 Acrylic Plaster
- 51 Silicone Plaster
- 52 Hybrid Plaster
- 52 Mineral Plaster
- 53 Mosaic Plaster
- 53 Mosaic Varnish
- 54 Facade Acrylic Paint
- 54 Facade Colloidal Silicate Paint
- 55 Facade Silicone Paint
- 55 Facade Silicate Paint
- 56 Mica
- 56 Glitter
- 56 Decorative Template
- 58 Multigrunt Primer
- 58 Winter Additive to Plaster & Paint
- 59 Cement Fix Polymeric Filler & Fixer
- 59 Facade Acrylic

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FACADE SOLUTIONS

Thermal insulation of buildings is undoubtedly one of the most vital stages of the construction. If properly performed, it influences the cost effectiveness of maintenance, improves the comfort of living and eases the environmental impact.



Why insulate buildings?

The uninsulated outer walls increase the maintenance costs of a given building. In winter time, due to the increased heating costs and in summer due to the cooling costs. Globally, regardless of the time of year, the lack of insulation negatively affects energy efficiency which leads to increased CO₂ emissions to the atmosphere. How to avoid it? The solution is simple: thermal insulation.

The thermal insulation is a protective layer whose function is to prevent cooling or overheating in the summer. It allows users to enjoy the thermal comfort and also stops the growth of pathogenic molds and fungi. In order to obtain a full guarantee and the assurance of the choice of compatible products, it is important that complete, technically approved insulating systems by one manufacturer are applied.

The products in Tytan Insulation Systems are designed to meet the most stringent requirements of thermal insulation capacity, durability and weatherproofing.

Tytan Insulation Systems meet the European and domestic quality demands. They hold EOTA (European Technical Assessment) certificate and local attestations.

Selena offers Tytan FGS – the Fastest Insulation System available in the market. It is based on IS13 – Fast Adhesive for ETICS and the system traditionally is applied on polystyrene panels or mineral wool. As a finish coat, we offer a large variety of decorative plasters, sprayed – on or applied manually.

Tytan Insulation Systems offer unlimited options of facade rendering. These products make your dreams become reality by rendering lively, vibrant colours to facades, allowing you to achieve unique, esthetic effects and ensuring their durability over long years. They are easy-to-use, convenient and give contractors and investors an opportunity to create attractive and durable facades.



Tytan FGS – the Fastest Insulation System. We speed up insulation!

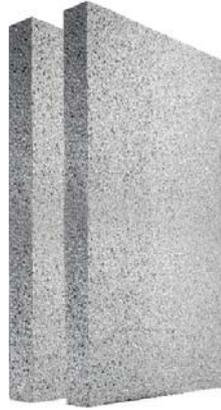
Tytan FGS – the Fastest Insulation System is the newest solution for External Thermal Insulation of buildings. The system is based on 2 innovative solutions: Fast Adhesive for ETICS and the Spray-on Technology. Designed in consultation with professionals, it eliminates inconvenient and time-consuming procedures and reduces the total rendering time by up to 50%.

The Fastest Insulation System FGS offers a range of products including the following:

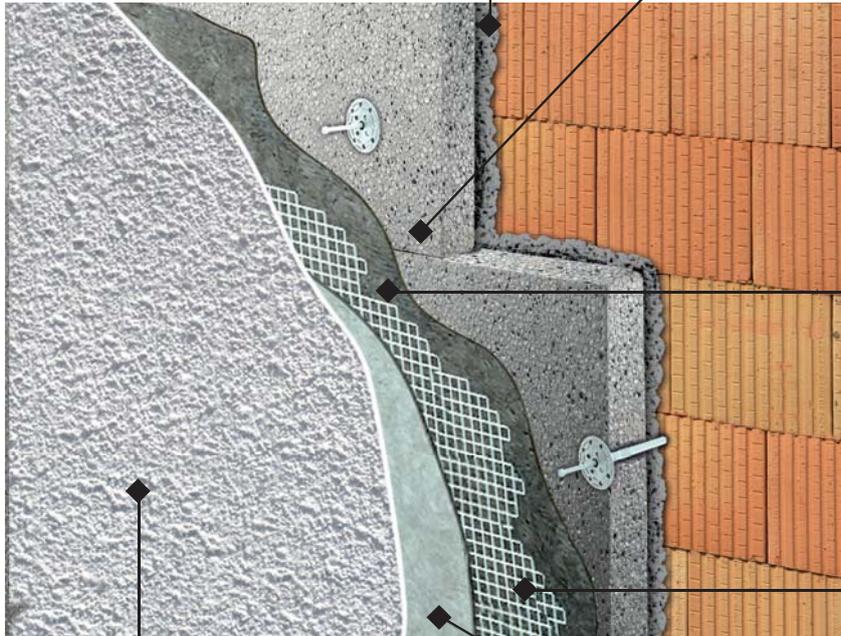


Fast Adhesive for ETICS

- instant mounting of panels
- placing of panels up to 30 mm from the wall
- ideal for graphite polystyrene
- dowelling after 2 hours



Graphite Polystyrene



Fibre-Reinforced Mortar

- reinforced with polypropylene fiber
- mechanical damage resistance
- high flexibility and adhesion



Spray-applied Colloidal Silicate Plaster

- highest yield per pack
- breathable and flexible
- contains algacides and fungicides



Universal Primer for Plasters

- reduces substrate absorption
- improves adhesion
- facilitates the application of plasters



Fiberglass Mesh

- high weight: 165g/m²
- latex waterproofing coating
- very durable and flexible
- contains hydrophobic additive

Fast Adhesive for ETICS



Fast adhesive for ETICS is a unique and innovative component of Tytan FGS (Fast Grab System). It has been designed to ensure an easy and convenient bonding of Insulation boards.

With an unique high density formulation the process of bonding insulation boards can be done in a more efficient and easy way. Saving time, money and improving overall building performance.

Application aspects	Cement adhesives	Fast Adhesive for ETICS
Product preparation	13 min	1 min
Carrying heavy objects	1 bag = 25 kg	1 can = 1 kg
More place for storage	1 pallet	2 boxes
Additional tools needed	Buckets, mixer, drill, trowels	Foam gun
Electricity and water	Yes	No
Cleaning	20 min	1 min
Full cure	Min 4 days	24 h
Anchoring	2 days	2 h

Insulate 2 times more and anticipate consecutive steps in ETICS

- Insulate 10 m² in 30 minutes
- Start anchoring 2 hours after board installation
- Full cure after 24 hours

Unique high density formulation makes application precise and easy

- Instant initial grab of boards
- Possibility to correct up 30 mm of wall deviation
- High bead wind resistance

Formulation improves overall building parameters

- 4 kg less per m² when compared to traditional solutions
- Adhesive with extremely low thermal conductivity: $\lambda < 0,035$ W/mK
- Flexible won't detach in case of board expansion, can be used with Graphite boards
- Tested in accordance to EOTA's directives:
 - ETAG 004 (guideline for European Technical Approval of ETICS)
 - Technical report no. 46 (test methods for foam adhesives for ETICS)





Fast Adhesive for ETICS



IS13 Fast Adhesive for ETICS is recommended for mounting insulation boards in Tytan Insulation System. The innovative product formula has an outstanding density which ensures fast grab, precise installation and strong adhesion.

APPLICATIONS:

- Mounting insulation boards in ETICS
- All types of insulation materials: EPS, XPS, PUR/PIR, mineral wool and foamed glass
- All types of substrates: concrete, wood, OSB, bitumen membranes, autoclaved aerated concrete, ceramic brick, silicate brick, glass, metal and PVC

BENEFITS:

- Instant grab
- Correction of uneven surfaces up to 30 mm
- Easy board levelling and correcting
- Anchoring in 2 h
- Strong adhesion to graphite EPS

TECHNICAL PARAMETERS:

- Yield: up to 10 m²
- Application temperature: 0°C to +30°C
- Can temperature: +10°C to +30°C
- Open time: ≤ 5 min
- Correction time: ≤ 10 min
- Anchoring time: 2 h
- Coefficient of thermal conductivity: $\lambda < 0,035 \text{ W/mK}$
- Fire rating: B3/F (DIN 4102)
- Shelf life: 12 months
- Tested according to ETAG 004 and EOTA TR 46: N020-032439; N020-032442

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Fast Adhesive for ETICS IS13	870 ml	Can	12	624

Fibre-Reinforced Mortar



Fibre-Reinforced Mortar is designed to bond EPS (expanded polystyrene) and mineral wool boards and form reinforcing layers in Tytan Insulation System on perimeter walls of buildings, as well as to patch and smooth down the substrate for thin-coat decorative plasters.

BENEFITS:

- Reinforced with fibres – unique fibre combination
- High adhesion to mineral substrates, EPS and mineral wool boards
- Resistant to extreme mechanical loads and thermal stresses
- Highly impact resistant
- Flexible and durable
- Vapour permeable
- Resistant to scratches and cracks
- Resistant to weather conditions
- External and internal walls
- Pot life of a water mix: up to 2 h
- Frost resistant when set

TECHNICAL PARAMETERS:

- Mixing ratio (water per bag): approx. 5,25–7 l per 25 kg
- Consumption: 1,45 kg/mm/m²
- Reinforcing layer thickness: 3–4 mm
- Bulk density: ~1,5 kg/dm³
- Temperature of application: +5°C to +25°C
- Maturing time: 5 min
- Drying time: 1–3 days
- Complete setting time: 28 days
- Adhesion acc. ETAG 004: to EPS-boards:
 - between layers after ageing: > 0,08 MPa
 - to concrete: > 0,25 MPa

Product name	Content	Packaging	Pieces per pallet	Colours
Fibre Reinforced Mortar IS22	25 kg	Bag	48	Grey

Universal Plaster Primer

Plaster Primer is intended for final preparation of the surface before the application of acrylic, colloidal silicate, silicone, hybrid, mineral and mosaic plasters for Tytan Insulation Systems based on the EPS or mineral wool boards. It prevents contamination from being transferred from undercoat to plaster and consequently it prevents stains. The fine aggregates make the primed surfaces rough and scratch resistant.



BENEFITS:

- Strengthens the substrate
- Reduces the absorption of the substrate
- Improves the adhesion
- Makes easy the application of plasters
- Ready to use

TECHNICAL PARAMETERS:

- Temperature of application (of the substrate, air, materials): +5°C to +25°C
- Yield: ca. 0,25 l/m² depending on the evenness and absorption of the substrate
- Drying time: ca. 6 h
- Application of plaster: after 12 h from priming
- Colour: white or matched to the colour of plaster
- Coverage of 10 l container: ca. 40 m²

Product name	Content	Packaging	Pieces per pallet
Universal Plaster Primer IS41	5 l	Bucket	100
	10 l	Bucket	33

Colloidal Silicate Plaster

Colloidal Silicate Plaster with mineral fillers and aggregates. When fully cured, it creates a vapor-permeable, elastic and weather-resistant coat.



APPLICATIONS:

- For structural exterior and interior plasters
- Finishing layer in Tytan Insulation Systems
- Creates a protective and decorative coating

BENEFITS:

- Breathable – high vapour permeable
- Low alkaline: pH = 8,0–9,0
- NANOTEchnology
- User friendly – easy-to-use (manual, spray applied)
- Myko secure – resistant to biological corrosion (fungi and algae)
- Colour safe – ready-to-use in thousands of colours
- Low consumption
- Resistant to weather conditions
- Excellent covering-up properties
- Based on colloidal silicate dispersion

TECHNICAL PARAMETERS:

- Temperature of application (surface, air, materials): +5°C to +25°C
- Drying time: ca. 24–48 h depending on weather conditions
- Colour: available in full range of Tytan Colour Collection or provided pattern

Product name	Approximate yield	Stone texture (kg/m ²)	Rustic texture (kg/m ²)
IS52	1,5 mm	2,2–2,4	2,4
	2,0 mm	2,9–3,1	3,0
	2,5 mm	3,9–4,1	–
IS52N	Spray-applied	1,8–2,0	–

Product name	Content	Packaging	Pieces per pallet
Colloidal Silicate Plaster IS52	25 kg	Bucket	24
Colloidal Silicate Plaster IS52N (Spray-applied)	25 kg	Bucket	24



Fibreglass Mesh IS165



The mesh is used as a reinforcement element in the external insulation systems rendered in compliance with the European Technical Assessment (ETA) or with the ITBT Technical Approval.

TECHNICAL PARAMETERS:

- High basis weight: 165 g/m²
- Latex coating impregnation
- Durable and elastic
- Contains hydrophobic additive

Product name	Packaging	Pieces per pallet
Fibreglass Mesh IS165	50 m ²	33

Fibreglass Mesh IS145



Highly flexible mesh used as reinforcement material in thermal insulation system of external walls of buildings.

TECHNICAL PARAMETERS:

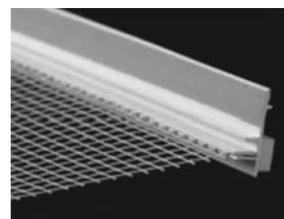
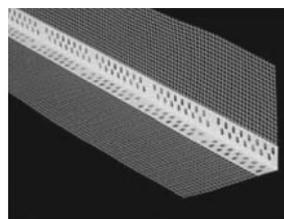
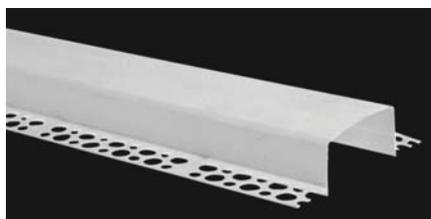
- Basis weight: 145 g/m²
- Durable and elastic

Product name	Packaging	Pieces per pallet
Fibreglass Mesh IS145	50 m ²	33

Facade Profiles

Tytan Professional offers a wide range of profiles for connections, trim and joints on facades resolving all types of connections between different materials on ETICS system.

Tytan profiles can be used for the following areas of application: corner and base beads, trim elements for changes in insulation depth, edge profiles and expansion joints, crimped profiles, profiles for dry-mounted construction, partition corners and special profiles.



Adhesive Mortar for EPS



Adhesive Mortar for EPS is a cement based adhesive part of certified system for ETICS. Designed to bond EPS (expanded polystyrene) boards in Tytan Insulation Systems. It is suitable for both new buildings and also the buildings to be thermo-renovated with ETICS.

BENEFITS:

- Flexible
- Good adhesion to EPS boards
- Vapour permeable
- Resistant to weather conditions
- External and internal walls

TECHNICAL PARAMETERS:

- Mixing ratio (water per bag): approx. 5,0–5,25 l per 25 kg
- Consumption: 1,45 kg/mm/m²
- Temperature of application: +5°C to +25°C
- Bulk density: -1,5 kg/dm³
- Maturing time: 5 min
- Pot life of a water mix: up to 1,5 h
- Drying time: 1–3 days
- Complete setting time: 28 days
- Adhesion acc. ETAG 004: to EPS-boards:
 - between layers after ageing: > 0,08 MPa
 - to concrete: > 0,25 MPa

Product name	Content	Packaging	Pieces per pallet	Colours
Adhesive Mortar for EPS IS11	25 kg	Bag	48	Grey

Adhesive Mortar for Mineral Wool



Adhesive Mortar for Mineral Wool is designed to bond mineral wool boards in Tytan Insulation Systems. It is suitable for both new buildings and also the buildings to be thermo-renovated with ETICS.

BENEFITS:

- Flexible
- Good adhesion to mineral wool boards
- Highly vapour permeable
- Resistant to weather conditions
- External and internal walls

TECHNICAL PARAMETERS:

- Mixing ratio (water per bag): approx. 5,5 l per 25 kg
- Consumption: 1,45 kg/mm/m²
- Bulk density: -1,5 kg/dm³
- Temperature of application: +5°C to +25°C
- Maturing time: 5 min
- Pot life of a water mix: up to 1,5 h
- Drying time: 1–3 days
- Complete setting time: 28 days
- Adhesion acc. ETAG 004: to EPS-boards:
 - between layers after ageing: > 0,08 MPa
 - to concrete: > 0,25 MPa

Product name	Content	Packaging	Pieces per pallet	Colours
Adhesive Mortar for MW IS12	25 kg	Bag	48	Grey



Adhesive & Reinforcement Mortar



Adhesive & Reinforcement Mortar is designed to bond EPS (expanded polystyrene) boards and to form reinforcing layers in Tytan Insulation Systems. It is suitable for both new buildings and also the buildings to be thermo-renovated with ETICS.

BENEFITS:

- Flexible
- High adhesion to mineral substrates and EPS boards
- Vapour permeable
- Resistant to weather conditions
- External and internal walls
- Frost resistant after set
- Pot life of a water mix: up to 2 h

TECHNICAL PARAMETERS:

- Mixing ratio (water per bag): approx. 5,25 l per 25 kg
- Consumption: 1,45 kg/mm/m²
- Reinforcing layer thickness: 3–4 mm
- Bulk density: ~1,5 kg/dm³
- Temperature of application: +5°C to +25°C
- Maturing time: 5 min
- Drying time: 1–3 days
- Complete setting time: 28 days
- Adhesion acc. ETAG 004: to EPS boards:
 - between layers after ageing: > 0,08 MPa
 - to concrete: > 0,25 MPa

Product name	Content	Packaging	Pieces per pallet	Colours
Adhesive & Reinforcement Mortar IS21	25 kg	Bag	48	Grey

Adhesive & Reinforced Render



Adhesive and Reinforced Render is designed to bond EPS and mineral wool boards and to form reinforcing layers in Tytan Insulation System. It is suitable for both new buildings and also the buildings to be thermo-renovated with ETICS. If used with reinforcing mesh, the mortar provides a perfect solution for renovation of old plasterwork and for fixing damaged or cracked existing insulation systems.

BENEFITS:

- Based on white cement
- Reinforced with fibres - unique fibre combination
- High adhesion to mineral substrates, EPS and mineral wool boards
- Resistant to extreme mechanical loads and thermal stresses
- Highly impact resistant
- Flexible and durable
- Vapour permeable
- Resistant to scratches and cracks
- Resistant to weather conditions
- External and internal walls
- Frost resistant
- Pot life of a water mix: up to 2 h

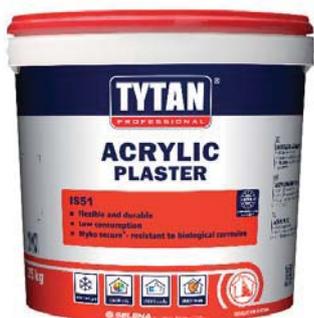
TECHNICAL PARAMETERS:

- Mixing ratio (water per bag): approx. 5,5 l per 25 kg
- Consumption: 1,45 kg/mm/m²
- Reinforcing layer thickness: 3–4 mm
- Bulk density: ~1,5 kg/dm³
- Temperature of application: +5°C to +25°C
- Maturing time: 5 min
- Drying time: 1–3 days
- Complete setting time: 28 days
- Adhesion acc. ETAG 004: to EPS-boards:
 - between layers after ageing: > 0,08 MPa
 - to concrete: > 0,25 MPa

Product name	Content	Packaging	Pieces per pallet	Colours
Adhesive & Reinforced Render IS23	25 kg	Bag	48	White

Acrylic Plaster

Acrylic Plaster is intended for primary and renovating insulating of all seasoned mineral substrates for Tytan Insulation Systems based on the EPS boards. The plaster is used in manual and spray application with a spray gun which makes work much easier and faster.



BENEFITS:

- Flexible and durable
- User friendly – easy-to-use (manual, spray applied)
- Myko secure – resistant to biological corrosion (fungi and algae)
- Colour safe – ready-to-use in thousands of colours
- Low consumption
- Resistant to weather conditions
- Based on acrylic dispersion

TECHNICAL PARAMETERS:

- Temperature of application (surface, air, materials): +5°C to +25°C
- Drying time: ca. 24–48 h depending on weather conditions
- Colour: available in full range of Tytan Colour Collection or provided pattern

Product name	Approximate yield	Stone texture (kg/m ²)	Rustic texture (kg/m ²)
IS51	1,5 mm	2,2–2,4	2,4
IS51	2,0 mm	2,9–3,1	3,0
IS51N	Spray-applied	1,8–2,0	–

Product name	Content	Packaging	Pieces per pallet
Acrylic Plaster IS51	25 kg	Bucket	24
Acrylic Plaster IS51N (Spray-applied)	25 kg	Bucket	24

Silicone Plaster

Plaster based on silicone dispersion with high quality fillers and pigments which cause pearl like effect of water after wetting the coat. The structure of the coating ensures fast moisture evaporation from the substrate and at the same time creates efficient protection against the substrate moisture and humidity.



APPLICATIONS:

- Silicone Plaster is intended for coating exterior and internal substrates. It can be used as a finishing layer in Tytan Insulation Systems. Creates a protective and decorative coating

BENEFITS:

- Self-cleaning – resistant to dirt
- Hydrophobic – low absorbability
- Impact resistant – highly durable
- User friendly – easy-to-use (manual, spray applied)
- Myko secure – resistant to biological corrosion (fungi and algae)
- Colour safe – ready-to-use in thousands of colours
- Low consumption
- Resistant to UV and weather conditions (rain, sunshine, frost, wind)
- Excellent covering-up properties
- Based on silicone dispersion

TECHNICAL PARAMETERS:

- Temperature of application (surface, air, materials): +5°C to +25°C
- Drying time: ca. 24–48 h depending on weather conditions
- Colour: available in full range of Tytan Colour Collection or provided pattern

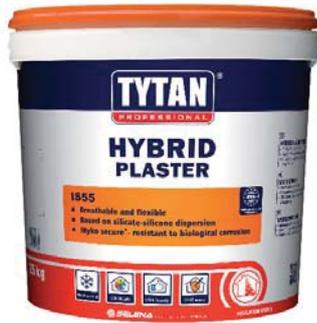
Product name	Approximate yield	Stone texture (kg/m ²)	Rustic texture (kg/m ²)
IS53	1,5 mm	2,2–2,4	2,4
	2,0 mm	2,9–3,1	3,0
	2,5 mm	3,9–4,1	–
IS53N	Spray-applied	1,8–2,0	–

Product name	Content	Packaging	Pieces per pallet
Silicone Plaster IS53	25 kg	Bucket	24
Silicone Plaster IS53N (Spray-applied)	25 kg	Bucket	24



Hybrid Plaster

Hybrid plaster based on silicate-silicone dispersion with high quality fillers and pigments which cause pearl like effect of water after wetting. When fully cured it creates a vapor-permeable, elastic and weather-resistant coating. The structure of the coating ensures fast moisture evaporation from the substrate and at the same time creates efficient protection against the substrate moisture and humidity.



APPLICATIONS:

- Hybrid Plaster is intended for coating exterior and internal substrates. It can be used as a finishing layer in Tytan Insulation Systems. Creates a protective and decorative coating

BENEFITS:

- Breathable – vapour permeable
- Self-cleaning – resistant to dirt
- Hydrophobic – low absorbability
- User friendly – easy-to-use (manual, spray applied)
- Myko secure – resistant to biological corrosion
- Colour safe – ready-to-use in thousands of colours
- Low consumption
- Resistant to weather conditions
- Homogenous structure – excellent covering-up properties
- Based on silicate-silicone dispersion

TECHNICAL PARAMETERS:

- Temperature of application (surface, air, materials): +5°C to +25°C
- Drying time: ca. 24–48 h depending on weather conditions
- Colour: available in full range of Tytan Colour Collection or provided pattern

Product name	Approximate yield	Stone texture (kg/m ²)	Rustic texture (kg/m ²)
IS55	1,5 mm	2,2–2,4	2,4
	2,0 mm	2,9–3,1	3,0
IS55N	Spray-applied	1,8–2,0	–

Product name	Content	Packaging	Pieces per pallet
Hybrid Plaster IS55	25 kg	Bucket	24
Hybrid Plaster IS55N (Spray-applied)	25 kg	Bucket	24

Mineral Plaster

Mineral Plaster is intended for coating exterior and internal substrates. It can be used as a finishing layer in Tytan Insulation Systems. Creates a protective and decorative coating.



BENEFITS:

- Natural
- Flexible and durable
- Breathable – highly vapour permeable
- User friendly – easy-to-use
- High adhesion to mineral substrates and thermal insulation
- Increasing endurance and adhesion with time
- Resistant to weather conditions (rain, sunshine, frost, wind)
- External and internal walls

TECHNICAL PARAMETERS:

- Mixing ratio (water per bag): approx. 5,5 l per 25 kg
- Temperature of application: +5°C to +25°C
- Maturing time: 5 min
- Pot life of a water mix: up to 1,5 h
- Drying time: 1–3 days
- Complete setting time: 28 days

Approximate yield	Stone texture (kg/m ²)	Rustic texture (kg/m ²)
1,5 mm	2,5	2,5
2,0 mm	3,0	3,0
3,0 mm	4,0	4,0

Product name	Content	Packaging	Pieces per pallet
Mineral Plaster IS54	25 kg	Bag	24

Mosaic Plaster

Mosaic Plaster is a mixture of colored aggregates and transparent binder. When fully cured, it creates a flexible, weather-resistant coating. Available in two colours and granules in accordance with the colour chart. Creates a protective and decorative coating.



APPLICATIONS:

- Recommended to be applied to the exposed to abrasion walls inside the buildings, e.g. at the entrance, corridors, staircases as well as outside the buildings: on the pedestals, railings, door and window frames.
- Can be used as final layer in Tytan Insulation Systems

BENEFITS:

- Impact resistant
- Resistant to abrasion
- Low water absorption (pearl effect)
- Flexible and durable
- Easy to clean – resistant to washing
- User friendly – easy-to-use (manual, spray applied)
- Myko secure – resistant to biological corrosion (fungi and algae)
- Colour safe – ready-to-use in thousands of colours
- Resistant to weather conditions

TECHNICAL PARAMETERS:

- Temperature of application (surface, air, materials): +5°C to +25°C
- Drying time: ca. 24–72 h depending on weather conditions
- Colour: available in full range of Tytan Colour Collection or provided pattern
- EN-12004 C1T

Product name	Approximate yield	min (kg/m ²)	ca. (kg/m ²)	max (kg/m ²)
IS56	1,0 mm	1,7–2,0	2,25–2,5	2,8–3,0
	1,5 mm	3,0	4,0	5,0
IS56N	Spray-applied	2,0	2,5	3,0

Product name	Content	Packaging	Pieces per pallet
Mosaic Plaster IS56	15 kg	Bucket	33
Mosaic Plaster IS56N (Spray-applied)	15 kg	Bucket	33

Mosaic Varnish

Mosaic Varnish creates a flexible and transparent coating resistant to adverse weather conditions and water. The product reinforces and seals old mosaic plaster coatings. The painted surface achieves an aesthetic look and its life is extended.



APPLICATIONS:

- For the maintenance of mosaic plasters based on colored quartz and marble
- Used on facades and other elements outside and inside.
- For renovation of mosaic plasters

BENEFITS:

- Reinforces and seals the facade to improve the appearance of the plasterboard
- For adverse atmospheric conditions
- Inside and outside
- Acrylic dispersion base

TECHNICAL PARAMETERS:

- Application temperature (substrate, air, materials): +5°C to +25°C
- Drying time: approx. 24 h – depending on weather conditions
- 1-layer paint consumption: 0,15–0,2 l / m²
- by testing the object after drying: transparent
- Yield from a 10 l container with 1 layer: 50–66 m²

* Depending on the substrate equality and absorption

Product name	Content	Packaging	Pieces per pallet
Mosaic Varnish	10 l	Bucket	33

Facade Acrylic Paint

Facade Acrylic Paint is an exterior paint based on acrylic dispersion with the addition of high quality fillers and pigments. It is resistant to weather conditions like: rain, sunshine, frost, and wind. Topcoat is matt, smooth, without cracks. Can be applied manually or by spray.



APPLICATIONS:

- The exterior Acrylic Paint is intended for primary and renovating painting of all seasoned mineral substrates: cement plasters, lime-and-cement plasters, mineral and acrylic plasters, concrete, as well as for Tytan Insulation Systems based on the EPS boards
- Painting of mineral substrates
- Restauration of silicone plasters
- Finishin layer in Tytan Insulation System

BENEFITS:

- Flexible and durable
- Resistant to weather conditions
- Myko secure – resistant to biological corrosion (fungi and algae)
- Colour safe
- Wide range of colours
- Excellent covering-up properties
- Based on acrylic dispersion

TECHNICAL PARAMETERS:

- Application temperature (ground, air, materials): +5°C to +25°C
- Drying time: ca. 3–6 h depending on weather conditions
- Coverage rate in one layer: ca. 7–8 m²*
- Coverage rate in two layers: from 4–5 m²*
- Colour: available in full range of Tytan Colour Collection or provided pattern
- Parameters for spraying with Airless type equipment:
 - pressure: 200 bar
 - spraying angle: 50°
 - nozzle size: 0,017–0,021 inch
 - filter: 60 mesh

* Accurate consumption should be determined after tests on actual object
Assumed consumption: depending on the smoothness and absorption of the substrate, on average approx. 0,2 l/m² with two coats

Product name	Product	Packaging	Pieces per pallet
Facade Acrylic Paint IS71	Manual	10 l	33
	Spray	10 l	33

Facade Colloidal Silicate Paint

The Facade Colloidal Silicate Paint is based on colloidal silicate dispersion with high quality fillers and pigments. Special additives that cause so-called photocatalysis effect enable the process whereby the coat cleans itself from the adhering grease.



APPLICATIONS:

- Painting of mineral substrates
- Restauration of silicone plasters
- Finishin layer in Tytan Insulation System

BENEFITS:

- Breathable – high vapour permeable
- Self-cleaning with photocatalysis effect
- Low alkaline: pH = 8,0–9,0
- Resistant to weather conditions
- Myko secure – resistant to biological corrosion (fungi and algae)
- Colour safe
- Wide range of colours
- Excellent covering-up properties
- Based on colloidal silicate dispersion

TECHNICAL PARAMETERS:

- Application temperature (ground, air, materials): +5°C to +25°C
- Drying time: ca. 3–6 h depending on weather conditions
- Coverage rate in one layer: ca. 7–8 m²*
- Coverage rate in two layers: from 4–5 m²*
- Colour: available in full range of Tytan Colour Collection or provided pattern
- Parameters for spraying with Airless type equipment:
 - pressure: 200 bar
 - spraying angle: 50°
 - nozzle size: 0,017–0,021 inch
 - filter: 60 mesh

* Accurate consumption should be determined after tests on actual object
Assumed consumption: depending on the smoothness and absorption of the substrate, on average approx. 0,2 l/m² with two coats

Product name	Product	Packaging	Pieces per pallet
Facade Colloidal Silicate Paint IS72	Manual	10 l	33
	Spray	10 l	33

Facade Silicone Paint

The Facade Silicone Paint is based on silicone dispersion with high quality fillers and pigments which cause pearl like effect of water after wetting. The structure of the coating ensures fast moisture evaporation from the substrate and at the same time creates efficient protection for the substrate against the moisture and humidity.



APPLICATIONS:

- Painting of mineral substrates
- Restoration of silicone plasters
- Finishin layer in Tytan Insulation System

BENEFITS:

- Self-cleaning – resistant to dirt
- Photocatalysis effect
- Hydrophobic – low absorbability
- Highly durable – resistant to exploitation damages and cleaning
- Vapour permeable
- Resistant to UV and weather conditions
- Myko secure – resistant to biological corrosion (fungi and algae)
- Colour safe
- Wide range of colours
- Excellent covering-up properties
- Based on silicone dispersion

TECHNICAL PARAMETERS:

- Application temperature (ground, air, materials): +5°C to +25°C
- Drying time: ca. 3–6 h depending on weather conditions
- Coverage rate in one layer: ca. 7–8 m²*
- Coverage rate in two layers: from 4–5 m²*
- Colour: available in full range of Tytan Colour Collection or provided pattern
- Parameters for spraying with Airless type equipment:
 - pressure: 200 bar
 - spraying angle: 50°
 - nozzle size: 0,017–0,021 inch
 - filter: 60 mesh

* Accurate consumption should be determined after tests on actual object
Assumed consumption: depending on the smoothness and absorption of the substrate, on average approx. 0,2 l/m² with two coats

Product name	Product	Packaging	Pieces per pallet
Facade Silicone Paint IS73	Manual	10 l	33
	Spray	10 l	33

Facade Silicate Paint

The Facade Silicate Paint is intended for covering mineral substrates: cement plasters, lime-and-cement plasters, mineral and silicate plasters, concrete, as well as finishing layer for Tytan Insulation Systems based on the EPS or mineral wool boards. The paint is permanently bound with the substrate as a result of chemical reactions.



BENEFITS:

- Breathable – highest vapour permeable
- Durable
- Resistant to weather conditions
- Myko secure – natural protection for biological corrosion (fungi and algae)
- Colour safe
- Excellent covering-up properties
- Based on silicate dispersion

TECHNICAL PARAMETERS:

- Application temperature (ground, air, materials): +5°C to +25°C
- Drying time: ca. 3–6 h depending on weather conditions
- Coverage rate in one layer: ca. 7–8 m²*
- Coverage rate in two layers: from 4–5 m²*
- Colour: available in full range of Tytan Colour Collection or provided pattern
- Parameters for spraying with Airless type equipment:
 - pressure: 200 bar
 - spraying angle: 50°
 - nozzle size: 0,017–0,021 inch
 - filter: 60 mesh

* Accurate consumption should be determined after tests on actual object
Assumed consumption: depending on the smoothness and absorption of the substrate, on average approx. 0,2 l/m² with two coats

Product name	Product	Packaging	Pieces per pallet
Facade Silicate Paint IS74	Manual	10 l	33
	Spray	10 l	33

Mica



Decorative additive for mosaic plaster.

ADVANTAGES:

- Three colours to choose from
- Natural product

Colour	Package
Natural	100 g
Black	100 g
Mix	100 g

Glitter



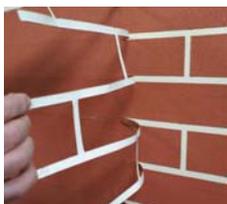
Decorative additive for mosaic plaster.

ADVANTAGES:

- Three colours to choose from
- Possible addition of any quantity per package

Colour	Package
Silver	50 g
Gold	50 g
Copper	50 g

Decorative Template



Decorative template than can be used to create brick and stone pattern on facades and walls. The product should be used together with Tytan plasters.

BENEFITS:

- Easy-to-use
- Self-adhesive

Product	Packaging	Quantity per box
Brick Template	Box	50
Stone Template	Box	50

How to make a natural stone or brick imitation facade

When planning thermal insulation of a building, it is worthwhile to consider the implementation of Tytan Professional stone/brick imitation plaster. Such rendering is elastic, breathable and self-cleaning and, as a result, extends the life of a facade. It also does not put an excessive load on the facade and prevents efflorescence and discoloration thanks to the properties of the plaster. Another advantage is its quick and easy application which can be performed by any experienced plastering team. Additional benefit is a considerably lower cost of the protective-decorative plaster as compared with traditional one.

Stages of application of stone/ brick imitation plaster:

1. Priming of the surface with the primer paint of the colour matching the colour of grout which will be visible in the brick/ stone imitation.
2. Gluing Tytan Professional decorative template.
3. Plastering.
To apply the brick/ stone imitation plaster, a spray unit can be used. It ensures efficient and even application. When spraying the plaster, keep the nozzle of spray gun about 40 cm away from the wall in perpendicular position. Using this method, the plaster can also be applied on many different shapes of surfaces such as pillars or profiled, decorative elements of the facade. The natural stone and brick imitation plaster can also be applied manually. After application, the surface structure can be changed by trowelling fresh plaster to achieve a coarse, rough appearance of hand-made bricks.
4. Removing the Tytan Professional decorative.





Multigrunt

Primer

Multigrunt is a concentrated primer based on two types of acrylic dispersion that strengthen the substrate, leveling the absorbency and increasing the adhesion of screeds, adhesives, plasters, and interior and exterior paints. It penetrates the substrate, strengthens the surfaces, binds the loose particles and limits the water absorption of the substrate.



APPLICATIONS:

- Cement substrate, gypsum, anhydrite, plasterboard, autoclaved aerated concrete blocks, cement plasters, cement-lime plasters, gypsum plasters

BENEFITS:

- Concentrated
- Increases adhesion
- Strengthens substrate
- For internal and external use
- For adhesives, plasters, paints and floor levelling

TECHNICAL PARAMETERS:

- Application temperature (substrate, air, materials): +5°C to +25°C
- Consumption without dilution: approx. 0,2 l per 1 m²/l depending on the evenness and absorption of substrate
- Drying time: approx. 3 h
- Drying time before continuing work: 6 h after priming

Product name	Content	Packaging	Pieces per pallet	Colours
Multigrunt Primer 501	5 l	Canister	108	Transparent

Winter Additive to Plaster & Paint

Winter additive to Tytan paints and plasters enables to carry on insulation works at low temperatures: 0°C to +10°C and at high air humidity (up to 80%).



BENEFITS:

- Speeds up the process of plaster and paint bonding
- Protects coating against low temperature (from 0°C)
- Does not alter the colour of the finish coat

Product name	Content	Pieces per box
Winter Additive to Plaster & Paint	0,25 l	9

Cement Fix

Polymeric Filler & Fixer



Cement Fix is high quality, ready to use, one-component reparative mass with structure and appearance of concrete. Product does not require mixing and is ready to use. That makes the application quick and easy. Cement Fix was prepared on the basis of aqueous polymer dispersion, so it does not contain any solvents, isocyanates and silicones. Cement Fix has excellent adhesion to concrete and also other building and construction materials.

APPLICATIONS:

- Filling scratches, cracks, holes, joints in masonry, concrete and cement screeds
- Fixing ceramic and stone tiles
- Filling joints between clinker bricks

BENEFITS:

- Structure and appearance of concrete
- Easy and quick application, ready-to-use
- Multipurpose applications
- After cured product can be sanded and painted
- Very low shrinkage
- High resistance to UV rays and changing weather conditions
- Can be applied indoor and outdoor
- Odorless and chemically neutral – does not contain solvents, isocyanates and silicones
- Can be applied on wet surfaces

TECHNICAL PARAMETERS:

- Application temperature: +5°C to +40°C
- Surface temperature: +5°C to +40°C
- Density (ISO 2811-1): 1,95–2,05 g/ml
- Skin formation time: 2–6 min
- Tack Free: 2–6 min
- Curing rate: 9–14 mm/ 24h
- Shrinkage (ISO 10563): 10%
- Elongation at break (ISO 8339): 20–40%
- Shore A hardness (ISO 868): 78–90
- Temperature resistance: -20°C to +80°C
- Colour: grey

Product name	Content	Packaging	Pieces per box	Pieces per pallet	Colours
Cement Fix	300 ml	Cartridge	12	1440	Grey

Facade Acrylic

Acrylic Filler



A flexible sealant used for sealing, pointing joints and filling gaps in walls and facades covered with structural plaster. Designed for both interior and exterior use.

APPLICATIONS:

- Pointing joints between construction elements covered with structural plaster
- Filling gaps, cracks and joints in facades, walls and ceilings before painting
- Pointing joints between the wall and skirting boards, stairs, ceiling, and around electrical sockets
- Pointing joints in construction elements exposed to low tensions

BENEFITS:

- Texture of structural plaster
- Excellent adhesion
- Flexible
- Paintable
- Resistant to UV-radiation and changing weather conditions

TECHNICAL PARAMETERS:

- Curing rate: 1,0 mm/ 24 h (+23°C, 50% RH)
- Working time: 10–15 min
- Modulus at 100% elongation: (ISO 37) 0,15 ± 0,03 MPa
- Movement accommodation: (ISO 9047) 75%
- Elongation at break: (ISO 8339) 32 ± 75%
- Elongation at break: (ISO 37) 350 ± 50%
- Elastic recovery: (ISO 7389) 20 ± 5%
- Shore A hardness: (ISO 868) 42 ± 2
- Temperature resistance: -20°C to +80°C
- Colour: white

Product name	Content	Packaging	Pieces per box	Pieces per pallet	Colours
Facade Acrylic	310 ml	Cartridge	12	1440	White



FACADE SEALING, BONDING & ANCHORING

- 65 Primer C29 – Panel Bonding System
- 65 Panel Fixing Tape – Panel Bonding System
- 65 MS FIX Panel – Panel Bonding System
- 66 PU 25 Polyurethane Sealant
- 66 PU 40 Polyurethane Sealant
- 67 PU 50 Polyurethane Sealant
- 67 Low Modulus MS Sealant
- 68 MS 35 Hybrid Sealant
- 68 Building Silicone
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- 71 EV II Chemical Anchor – Vinylester Styrene Free
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- 73 Polyurethane Mounting Adhesive
- 73 Heavy Duty Mounting Adhesive
- 74 Gallop Fix Fast Curing Mounting Adhesive
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- 75 Chemical Anchor Gun
- 75 Manual Gun 600 ml
- 75 Vector Heavy Duty Caulking Gun

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FACADE SEALING, BONDING & ANCHORING

A facade can be built in many different technologies. Most common technologies are ETICS and Ventilated Facade.

In addition to the aesthetic function of the facade envelope, it also protects the building from external environment influences such as temperature changes, sounds, wind and water.

Selena's sealing, bonding and anchoring technologies have been developed to satisfy diverse needs present in the construction market.

Current solutions include sealants, adhesives and chemical anchors.



Sealants for Construction Joints

The range of sealants offered by Selena, is composed of different chemical bases and parameters dedicated for interior and exterior construction joints in commercial and residential buildings. They were designed for several different types of substrates such as: concrete, glass, steel and aluminium. The right joint preparation is crucial for protection of the construction against water penetration and cracks.

When choosing a sealant, there are several properties that need to be taken into consideration, for example: movement tolerance, substrate compatibility, resistance to: weather, temperature and abrasion and finally the paintability and impact on the substrate.

Below are the most common kinds of sealants and their general characteristics.

Acrylics

Acrylic sealants are highly paintable and have a texture that can easily blend with the substrate. They are usually recommended for porous materials in low movement-joints given their limited movement capacity and weather and abrasion resistance.

Silicones

Silicone sealants are used in a wide variety of building applications, for construction joints that are made of porous materials a Neutral Silicone is recommended, since an Acetic Silicone may stain the substrate. Silicone's main characteristics are high UV resistance, temperature resistance, highest movement capability and long service life. Silicone sealants can take considerably longer time to fully cure and are not paintable.

Polyurethane (PU) Sealants

Polyurethane sealants have high abrasion-resistance and they are paintable. They have excellent adhesion and good movement capability. Most common applications are vertical and horizontal dilatation gaps in pre cast constructions.

Hybrid Sealants

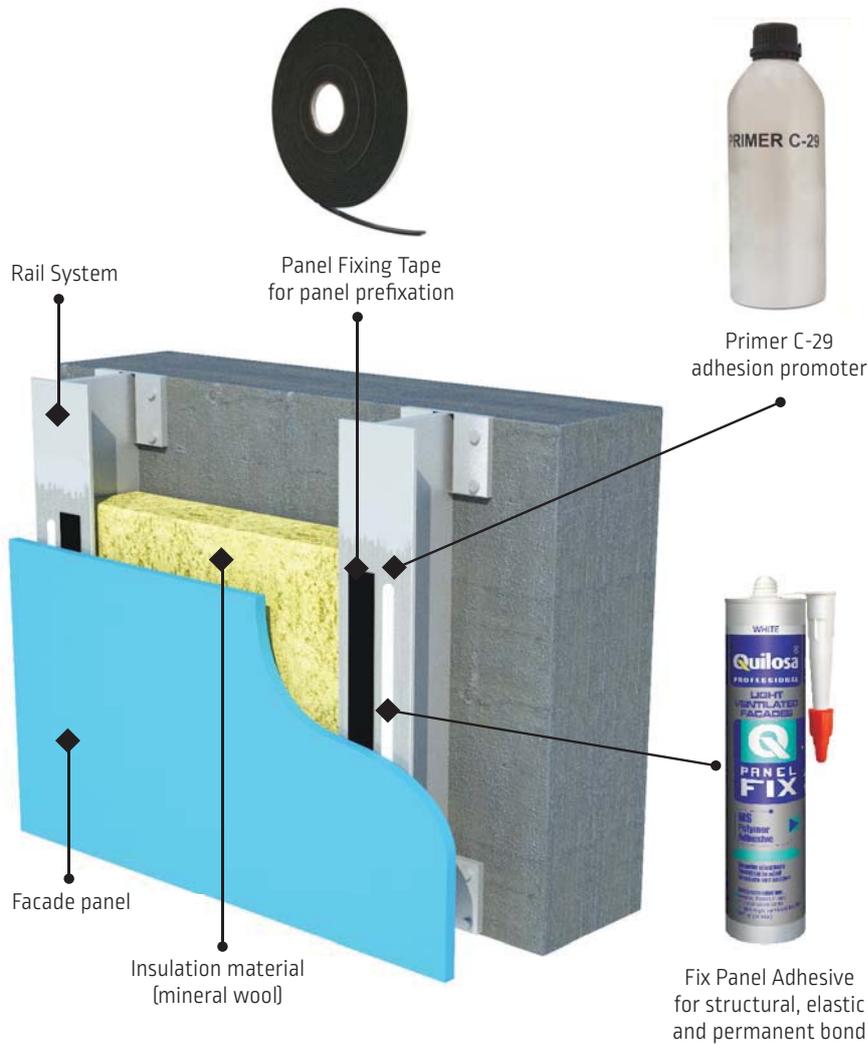
A newcomer based on modified polymer that combines the best in Silicones and Polyurethanes. High adhesion, can be painted and has good movement capability. Can be used in the same applications as Silicone and Polyurethane with the advantage of being solvent and isocyanate free.

	Building Silicone (Neutral)	PU Sealant	Acrylic	MS Hybrid Sealants
Paintability	Not paintable (can be colored in the production)	High	Highest	Highest
Movement Accommodation	Highest	High	Low	High
UV Resistance	Highest	Medium	Medium	High
Abrasion Resistance	High	Highest (High Shore PU)	Low	High
Chemical Resistance	High	High	Low	High
Substrate	All	All	Porous	All

Panel Bonding System - a faster way of cladding

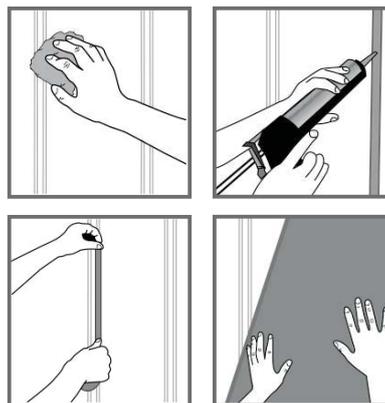
Wall cladding is a construction system used in ventilated facades in which the exterior of a building is covered with panels. The panels are installed in the facade by being fixed to a rail which is anchored to the structure of the building. The most common materials for Facade Cladding are panels made of ACM (Aluminium Composite Material) since it is a strong and lightweight material.

With Fix Panels system the panels can be fixed to the rail in an easy and firm way without the need for anchoring. The system was tested according to UNE EN 12865: 2002 and DRAFT ETAG 034 for resistance to pressure and wind suction and resistance to rainwater.



Fix Panels System guarantees:

- High initial grab
- Fast panel fixation
- Movement and vibrations absorption
- Resistance to humidity and changes in temperature
- Flexibility of design (curves) not feasible with mechanical fixing
- Concealed fixing providing aesthetic satisfaction
- Reduction of mechanical stresses
- Minimal maintenance
- No Isocyanates



Basic Steps:

- Cleaning panel and rails using the Primer C-29
- Installation of the Fix Panel double-sided tape on the track to maintain the panel in place while Fix Panel adhesive is curing
- Application of the Fix Panel Adhesive on the rails
- Panel gluing

Primer C-29

Panel Bonding System

Cleaning and pre-treatment of lightweight composite panels prior to the application of the adhesive. Provides the best conditions for panel fixing.



Product name	Content	Pieces per box	Colours
Primer C-29	900 ml	4	Transparent

Panel Fixing Tape

Panel Bonding System

PE double-sided tape for installation of lightweight facades in combination with the Fix Panel Adhesive. High resistance. Dedicated for delivering the initial tack of the panel until the adhesive reaches its maximum strength.



TECHNICAL PARAMETERS:

- Thickness: 3 mm
- Width: 12 mm

Product name	Content	Pieces per box	Colours
Panel Fixing Tape	20 m	30	Black

MS FIX Panel

Panel Bonding System

Elastic adhesive based on MS polymer for the bonding of panels to light facades. High initial grab allows quick panel attachment. Absorbs movement and vibrations and reduces the mechanical stresses of the facade. It facilitates the assembly of the facades.



APPLICATIONS:

- Bonding of lightweight facade panels of different materials, composite, ceramic, wood or fiber cement
- Indoor and outdoor use

BENEFITS:

- Resistant to humidity and temperature changes
- Excellent adhesion on most panels used in ventilated facades

Product name	Content	Packaging	Pieces per box	Colours
MS FIX Panel	280 ml	Cartridge	24	White
	600 ml	Foil	12	White

PU 25

Polyurethane Sealant



PU 25 is a professional, one-component, low modulus, flexible sealant with a wide range of applications in industry and construction.

APPLICATIONS:

- Sealing and filling dilatation joints in cement floors with low pedestrian traffic
- Filling expansion joints in walls, facades of buildings, prefabricated elements and other construction materials
- Sealing joints between facade panels and other materials such as windowsill, decorative elements
- Finishing and closing of roofing connections, filling gaps in roof during renovation

TECHNICAL PARAMETERS:

- Colour: white, grey, black, brown
- Application temperature: +5°C to +40°C
- Shore A Hardness (ISO 868): 30
- Thermal resistance: -30°C to +80°C
- Modulus 100% (ISO 7389): 0,36 Mpa
- Tensile Strength: 1,7 Mpa
- Elongation at break: 500%
- Tack Free: 60–90 min
- Curing rate: 3 mm/ 24 h

BENEFITS:

- Creates a strong and flexible joint resistant to weathering and aging
- High mechanical strength
- Absorbs vibrations
- Cures without the formation of bubbles
- Paintable

Product name	Content	Packaging	Pieces per box	Pieces per pallet
PU 25 Polyurethane Sealant	310 ml	Cartridge	12	1140
	600 ml	Foil	12	1152

PU 40

Polyurethane Sealant



Professional one-component polyurethane sealant, highly modular, creating a strong and flexible joint. The product complies with the standard of LEED 2009 C4.1 for low volatile organic content (VOC).

APPLICATIONS:

- Filling expansion joints and structural joints in cement floors
- Sealing joints and expansion joints in residential and industrial buildings, especially in concrete structures
- Finishing and sealing of roof coverings
- Sealing and bonding in air-conditioning and refrigeration
- Covering welds and connections in construction of containers and in automotive industry

TECHNICAL PARAMETERS:

- Colour: white, grey, black, brown
- Application temperature: +5°C to +40°C
- Shore A Hardness (ISO 868): 35–45
- Thermal resistance: -40°C to +90°C
- Modulus 100% (ISO 7389): 0,6–0,8 Mpa
- Tensile Strength: 1,8–2,20 Mpa
- Elongation at break: 400%
- Tack Free [min]: 60–120 min
- Curing rate: 3 mm/ 24 h

BENEFITS:

- Very good resistance to mildew and bacterial growth
- Very good resistance to brine and chloride water
- Creates a strong and flexible joint resistant to weathering and aging
- High resistance to abrasion
- Cures without the formation of bubbles
- Paintable

Product name	Content	Packaging	Pieces per box	Pieces per pallet
PU 40 Polyurethane Sealant	310 ml	Cartridge	12	1140
	600 ml	Foil	12	1152

PU 50

Polyurethane Sealant



Professional one-component polyurethane sealant, characterized by very good stress absorbing properties, excellent adhesion to concrete and other porous and non-porous building materials. PU 50 has also very high mechanical strength and resistance to abrasion.

APPLICATIONS:

- Filling expansion joints and structural joints – both horizontal and vertical
- Sealing and filling cracks and fissures
- Filling gaps in roof ceiling during renovation of flat roof coverings
- Sealing and bonding in air-conditioning and refrigeration
- Sealing and bonding in automotive and shipping industry

BENEFITS:

- Sealing and bonding properties
- Creates a strong and elastic joint
- Very good adhesion to a wide range of building and construction materials such as concrete, metals, brick, stones etc.
- Paintable

TECHNICAL PARAMETERS:

- Colour: white, grey, black, brown
- Application temperature: +5°C to +40°C
- Shore A Hardness (ISO 868): 60
- Thermal resistance: -40°C to +90°C
- Modulus 100% (ISO 7389): 1,2 Mpa
- Tensile Strength: 2,50 Mpa
- Elongation at break: 400%
- Tack Free [min]: 45 min
- Curing rate: 3 mm/ 24 h

Product name	Content	Packaging	Pieces per box	Pieces per pallet
PU 50 Polyurethane Sealant	310 ml	Cartridge	12	1140
	600 ml	Foil	12	1152

Low Modulus MS Sealant

Low Modulus Sealant based on MS polymer. Product has low module and high elasticity after curing. For a wide range of applications in the construction industry.



APPLICATIONS:

- Sealing facades
- Filling gaps, joints, slots in concrete, wood, gypsum, masonry and other building materials
- Sealing skirting-boards, panels, plates made of synthetic materials, glaze, terracotta, elements made of synthetic materials, wood, metals, metal plates, for all types of surfaces in building such as brick, concrete, gypsum, plasters

BENEFITS:

- Low Modulus, class 25 LM
- High elasticity
- No PHTHALATES
- High resistance to UV radiation
- Can be painted (possibility of painting even uncured sealant)
- Neutral, non-corrosive to metals and applicable on alkaline surfaces
- Can be applied indoor and outdoor
- High chemical resistance

TECHNICAL PARAMETERS:

- Application temperature: 0°C to +40°C
- Density (ISO 2811-1): 1,45 g/ml
- Skin formation time: 20–40 min
- Curing rate: 2–3 mm/ 24 h
- Shrinkage (ISO 10563): 1–4%
- Elongation at break (ISO 8339): 400–700%
- Shore A hardness (ISO 868): 22–28
- Movement accommodation: 25%
- Temperature resistance after curing: -40°C to +90°C

Product name	Content	Packaging	Pieces per box	Pieces per pallet	Colours
Low Modulus MS Sealant	600 ml	Foil	12	1152	Grey



MS 35

Hybrid Sealant



MS 35 is a white or transparent hybrid sealant. This product is perfect for using in places where transparent joint is required. The product has adhesion to many different materials, providing aesthetic and permanently elastic connection and seal. It can be applied indoor and outdoor, even on wet surfaces.

APPLICATIONS:

- Sealing around window, door and windowsills
- Filling vertical and horizontal joints
- Sealing of wet areas
- Sealing elements made of natural stones

BENEFITS:

- Crystal transparent
- Non-yellowing with time
- Chemically neutral – does not contain phthalates, isocyanates and solvents
- Resistant to moulds and fungus, does not contain fungicides
- Does not discolour natural stone, does not cause corrosion of metals
- Can be painted after curing
- Temperature resistance after curing: -40°C to +110°C

TECHNICAL PARAMETERS:

- Curing rate: 2,0–3,0 mm/ 24 h (+23°C, 50% RH)
- Thermal resistance: -40°C to +110°C
- Working temperature: +5°C to +40°C
- Shrinkage (ISO 10563): 2,5 ± 0,5%
- Module at 100% elongation (ISO 37) 0,975 MPa
- Elongation at break (ISO 8339): 205 ± 25%
- Shore A hardness (ISO 868) 45 ± 2
- Temperature resistance: -40°C to +110°C
- Colour: white, transparent

Product name	Content	Packaging	Pieces per box	Pieces per pallet
MS 35 Hybrid Sealant	310 ml	Cartridge	12	1 140

Building

Silicone



Neutral curing silicone that creates a flexible, nonshrink and waterproof joint. It has an excellent adhesion to common construction materials, both porous and smooth, including: concrete, brick, wood, glass, glaze, steel, aluminium, enamelled, laminated and varnished surfaces, and plastics.

APPLICATIONS:

- Sealing of connections, expansion joints and building crevices
- Pointing joints in construction elements made of concrete, wood, metal, brick or plastic
- Sealing applications in electrical and electronic industries

BENEFITS:

- Does not cause corrosion of metal or concrete
- Resistant to UV radiation and weather conditions
- Resistant to significant temperature changes

TECHNICAL PARAMETERS:

- Colour: white, transparent, black, grey, brown
- System of curing: neutral
- Curing rate: 3,0 mm/ 24 h (+23°C, 50% RH)
- Thermal resistance: -40°C to +100°C
- Working temperature: +5°C to +40°C
- Shrinkage (ISO 10563): ≤ 45%
- Module at 100% elongation (ISO 8339): 0,35 ± 0,05 MPa
- Movement accommodation (ISO 9047): ± 25%
- Elongation at break (ISO 8339): 150 ± 50%
- Elastic recovery (ISO 7389): 97 ± 2%
- Shore A hardness (ISO 868): 18 ± 2 T
- Temperature resistance: -40°C to +120°C

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Building Silicone	310 ml	Cartridge	12	1 440

C-15

PU Primer

Professional primer applied to improve the adhesion of polyurethane sealants to porous surfaces such as concrete, terrazzo, brick, wood. A thin layer of primer should be applied to the surface with a dry, clean brush prior to the application of sealant. In the case of very porous materials, two coats of C-15 PU Primer should be applied.



APPLICATIONS:

- Priming of structural expansion joints in concrete floors
- Priming joints in floors on terraces, balconies, as well as vertical expansion joints in balustrade walls
- Priming joints in wall fences made of concrete, brick, stone

Product name	Content	Packaging	Pieces per box	Pieces per pallet
C-15 PU Primer	1000 ml	Aluminum bottle	4	800

Back Up Rod

A round rod made of closed-cell polyethylene foam, designed to fill expansion joints to help accommodate joint movement. It is perfect to seal the air flow and prevent heat loss. The Back Up Rod has a very good compatibility with other common building materials. Suitable for sealing damp joints.

APPLICATIONS:

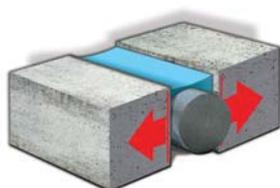
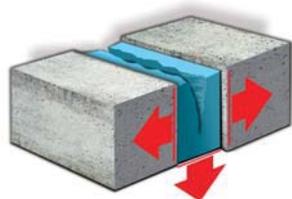
- Filling expansion joints prior to sealant application

BENEFITS:

- Helps to accommodate joint expansion and contraction
- Reduces the risk of joint cracking
- Reduces sealant consumption
- Easy-to-install

Example of a joint made without the use of a Back Up Rod. The sealant adheres to three substrates, which increases the risk of sealant crack.

Example of a joint made with the use of a Back Up Rod.



Chemical Anchors

Based on different technologies which guarantee a strong and permanent fixing in different substrates in a fast and safe way. The use of chemical anchors is a must when fixing heavy load elements and during the installation of profiles in facades.

All chemical anchors in Selena portfolio hold the European ETA certificates which testify that they can be safely introduced in your projects.

How to specify the right resin:

Polyester Styrene Free

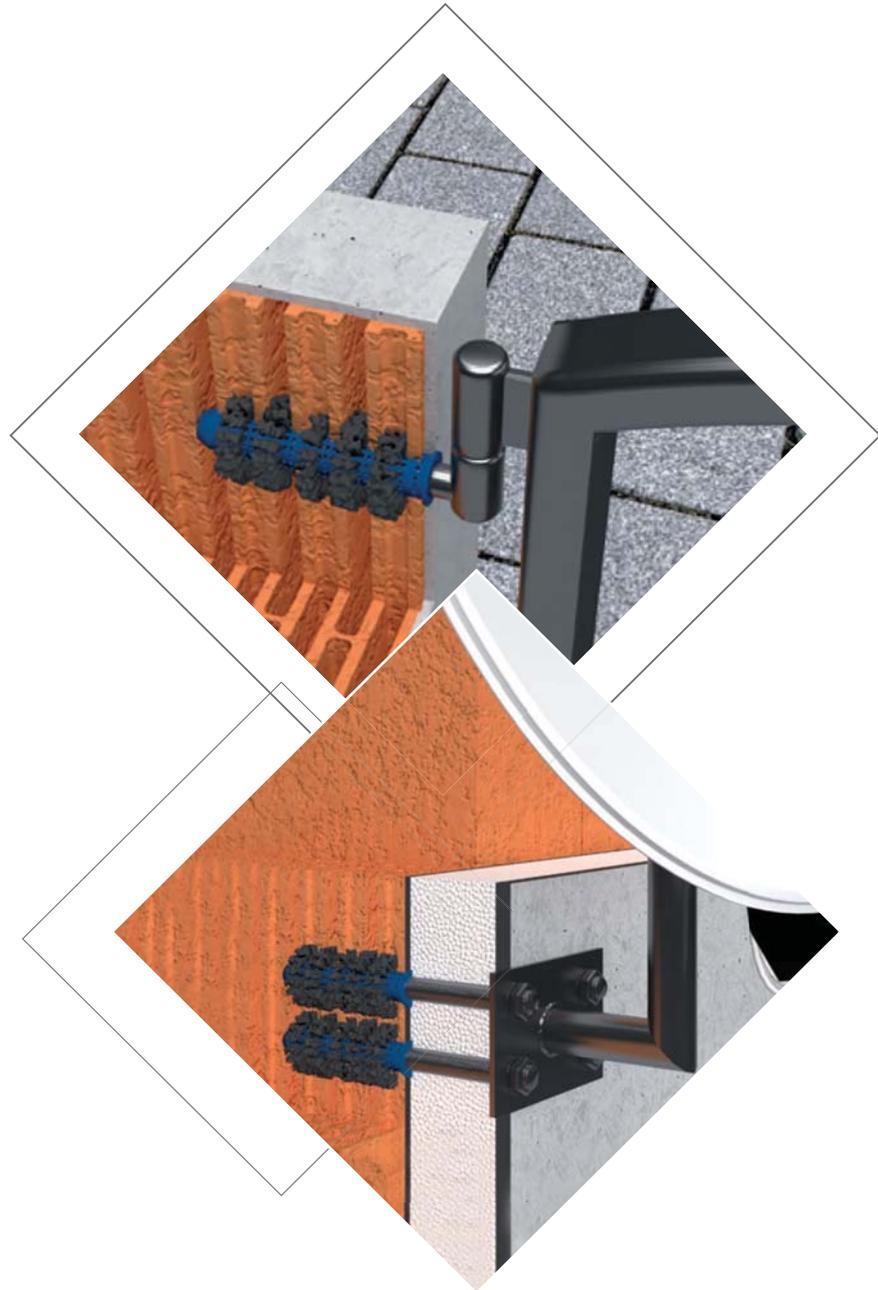
The 2-component injection resins are fast and easy to use and are recommended for medium load applications in interior and exterior walls.

Vinylester Styrene Free

The vinylester resins are characterized by, among others, a very high chemical resistance, especially in alkaline medium and have good thermal properties. Can be used for heavy duty applications including in underwater structures.

Epoxy Styrene Free

Epoxy resin has the highest mechanical and thermal properties and an exceptional resistance to chemicals. Can be used in diamond-drilled holes and larger gaps, including in underwater structures.



EV II

Chemical Anchor – Vinylester Styrene Free

A high performance, rapid curing two-component chemical anchoring system. Vinylester resin provides thermal and chemical resistance, combined with ease of use. Designed for very high loads and critical fixings especially in corrosive environments or damp conditions.



APPLICATIONS:

- For heavy duty and critical applications in masonry and concrete
- Anchoring in cracked and non-cracked concrete
- Hollow walls
- Critical fixings in corrosive environments
- Fixing in Damp Environments

BENEFITS:

- Heavy duty load applications
- Non-flammable and non-hazardous
- Suitable for underwater applications
- Very high chemical resistance
- Very good thermal and mechanical properties
- European ETA certificate

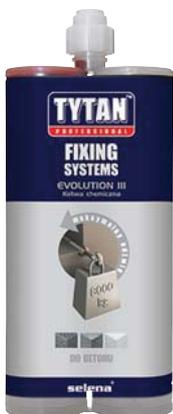
Size	Concrete, fck, cube = 25 N/mm ² (C20/25) 5,8 Grade Steel Studding			
	Characteristic Resistance (kN)		Recommended Load (kN)	
	Tension (Nrk)	Shear (Vrk)	Tension (Nrk)	Shear (Vrk)
M8	19	9	9,1	5,1
M10	30,2	15	14,4	8,6
M12	43,8	21	20,9	12
M16	67,8	39	32,3	22,3
M20	104,6	61	49,9	34,9
M24	133	88	63,3	50,3

Product name	Content	Packaging	Pieces per box	Pieces per pallet
EV II Chemical Anchor – Vinylester Styrene Free	300 ml	Cartridge	5	1 050
	300 ml	Cartridge	12	1 260
	380 ml	Cartridge	6	750
	380 ml	Cartridge	12	1 152

EV III

Chemical Anchor – Epoxy Styrene Free

Epoxy Low Odour Resin is a high performance, slow curing two-component chemical anchoring system. Applied through attached mixing nozzle directly into fixing hole. When cured this resin will produce an extremely strong, chemical resistant fixing.



APPLICATIONS:

- Filling of deep and wide openings
- Deep embedment installations
- Anchoring in non-cracked concrete
- Solid substrates
- Anchoring of reinforcing bars
- Rebar and threaded installations

BENEFITS:

- Universal fixing resin
- Very heavy duty load applications
- Can be used in dry and wet conditions
- Suitable for underwater applications
- Extremely high chemical resistance
- Zero shrinkage
- Close edge distance and small spacing

Size	Concrete, fck, cube = 25 N/mm ² (C20/25) 5,8 Grade Steel Studding			
	Characteristic Resistance (kN)		Recommended Load (kN)	
	Tension (Nrk)	Shear (Vrk)	Tension (Nrk)	Shear (Vrk)
M8	19	9	9,1	5,1
M10	30,2	15	14,4	8,6
M12	43,8	21	20,9	12
M16	81,6	39	38,9	22,3
M20	104,6	61	49,9	34,9
M24	133	88	63,3	50,3

Product name	Content	Packaging	Pieces per box	Pieces per pallet
EV III Chemical Anchor – Epoxy Styrene Free	400 ml	Cartridge	10	950

EV W

Chemical Anchor – Winter Styrene Free



A high performance, rapid curing two-component chemical anchoring system. Developed using a high reactivity resin, which enables it to be used at temperatures as low as -18°C. The resin has lower viscosity than standard resins which allows it to be extruded at low temperature.

APPLICATIONS:

- Anchoring in:
 - hollow wall
 - brickwork
 - masonry and non-cracked concrete
 - weak substrates where expandable dowels cannot be used

BENEFITS:

- Suitable for use at very low temperatures
- Can be extruded if both substrate and cartridge temperature is as low as -18°C
- Medium and heavy duty load applications in low temperatures
- High durability
- Can be used on wet substrates

Size	Concrete, fck, cube = 25 N/mm ² [C20/25] 5,8 Grade Steel Studding			
	Characteristic Resistance (kN)		Recommended Load (kN)	
	Tension (Nrk)	Shear (Vrk)	Tension (Nrk)	Shear (Vrk)
M8	19	12,70	9,07	160
M10	30,2	20,10	14,36	200
M12	43,8	23,96	17,11	240
M16	81,6	34,70	24,78	320
M20	127,4	53,41	38,15	400
M24	183,6	68	48,57	480

Product name	Content	Packaging	Pieces per box	Pieces per pallet
EV W Chemical Anchor – Winter Styrene Free	300 ml	Cartridge	5	1 050

EV IV S

Seismic Chemical Anchor



High strength professional two-component seismic chemical anchor for use in different base materials. Epoxy resin provides thermal and chemical resistance, combined with ease of use. Seismic qualification according to European Guideline EOTA ETAG-001 Annex E-C2.

APPLICATIONS:

- Seismic refurbishment
- Heavy building and industrial construction
- Heavy electrical, hydraulic and tiling area
- Underwater applications and flooded holes
- All kinds of curtain walls and different materials: steel, concrete (non-cracked and cracked), stone, solid brick, wood

BENEFITS:

- High seismic performance (certified according to annex E-C2)
- Fire resistance
- High strength, strong bond, durability

TECHNICAL PARAMETERS*:

- Application temperature: -40°C to +40°C [T° max long period = 24°C] and -40°C to +80°C [T° max long period = +50°C]
- Storage temperature: +5 °C to +30°C
- Open time at +25°C: 30 min
- Curing time at +25°C: 14 h
- Shelf life: 24 months
- Minimum product temperature or application: +5°C

* Setting conditions (depends on temperature) Data regarding loads, efficiency, setting times and installation procedure in TDS.

Product name	Content	Pieces per box	Pieces per pallet
EV IV S Seismic Chemical Anchor	265 ml	20	1 300
	470 ml	12	780
	900 ml	6	390

Polyurethane Mounting Adhesive

Construction adhesive characterized by extremely high bonding strength and high mechanical resistance. Designed for bonding all materials, for interior and exterior use. Does not contain any solvents. The product is available in colours: beige and transparent.



APPLICATIONS:

- Bonding wood and wood-based materials (e.g. windows, doors, furniture, stairs, balustrades, garden structures, roof truss)
- Bonds elements made of metal, aluminium, copper, stainless steel and zinc-plated steel
- Artificial and natural stone, drywall, insulation boards, brick, ceramics and concrete
- Glass, PVC, plastics, insulation materials (e.g. polystyrene, polyurethane foam, glass wool)

TECHNICAL PARAMETERS:

- Working time: 8–10 min
- Clamping time: 30 min
- Full cure: 24 h
- Application temperature: +5°C to +30°C
- Temperature resistance: -40°C to +100°C
- Colour: beige, transparent

BENEFITS:

- Extreme bonding strength 400 kg/10 cm²
- Reach 50% of final strength after 20 min
- Waterproof class D4
- Does not flow from vertical surfaces
- Strong mechanical and chemical resistance
- Excellent adhesion to most substrate
- Can be used for uneven substrates

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Polyurethane Mounting Adhesive	310 ml	Cartridge	12	1 440

Heavy Duty Mounting Adhesive

Solvent based adhesive with high initial grip and possibility of use at temperatures below 0°C. Especially recommended for bonding heavy elements during finishing and renovation works.



APPLICATIONS:

- Bonding skirting boards, plinths, thresholds, panels, ceramic tiles
- Bonding most common building materials such as brick, ceramics, wood, PVC, glass, metal
- Especially recommended for bonding heavy building elements on vertical surfaces without support

TECHNICAL PARAMETERS:

- Working time: 5–7 min
- Application temperature: -20°C to +30°C
- Full cure: up to 72 h
- Temperature resistance: -40°C to +100°C

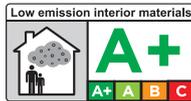
BENEFITS:

- Strong initial tack: 150 kg/m²
- High bonding strength: 400 kg/10 cm²
- Can be used at negative temperatures (from -20°C)
- Resistant to moisture and changing weather conditions
- Can be used indoors and outdoors
- Excellent adhesion to most materials (both absorbent and non-absorbent)

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Heavy Duty Mounting Adhesive	310 ml	Cartridge	12	1 440
	100 ml	Tube on blister	12	1 080

Gallop Fix

Fast Curing Mounting Adhesive



Fast Curing and very strong mounting hybrid based adhesive. It is indispensable in a situation where we expect rapid bonding effect (when you want to quickly use bonded elements). It forms a very strong bond that can be loaded already after 20 min since the application, and its full strength is reached after approx. 3 h. The bond formed perfectly dampens vibrations, is resistant to weather, UV radiation and diluted chemicals.

APPLICATIONS:

- Bonding a wide range of finishing materials to typical surfaces such as: concrete, plaster, chipboard, wood, bricks, glass
- Bonding skirting boards, pedestals, thresholds, panels, ceramic tiles
- Bonding decorative elements of wood, cork, chipboard, metal, stone, laminates, expanded polystyrene (EPS), marble
- Bonding plastics (except PE, PP and Teflon)
- Bonding mirrors

BENEFITS:

- Dries 8 x faster
- Can be loaded after 20 min
- Very high bonding strength: up to 400 kg/10 cm²
- Bonds all materials
- Can be used on damp substrates
- Water resistant
- For interior and exterior
- Ecological: does not contain solvents, silicones and isocyanates
- Neutral: does not corrode metals, does not damage delicate surfaces
- The joint can be painted

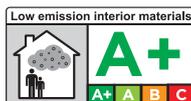
TECHNICAL PARAMETERS:

- Colour: white
- Correction time: 5 min
- Full strength after approx. 3 h
- Temperature resistance: -30°C to +90°C
- Low emission product

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Gallop Fix	310 ml	Cartridge	12	1 440
Fast Curing Mounting Adhesive	100 ml	Tube on blister	12	1 080

Vector Rapid

Mounting Adhesive High-Tack



MS-Polymer based adhesive with very high initial tack (200 kg/m²), designed for all mounting and finishing works. Indispensable in a situation where (especially heavy) elements are bonded to the walls, facades or ceilings without support.

APPLICATIONS:

- Excellent adhesion to all substrates used in construction (with the exception of PP, PE, Teflon and bitumen): wood, glass, mirror, metal, stone, PVC, ceramic tiles, polystyrene, brick, plaster, marble e.t.c
- Especially recommended for bonding elements to walls, facades or ceilings (also heavy ones), without using mechanical fasteners, e.g., it is well suited for bonding mirrors

BENEFITS:

- Strong initial grab: 200 kg/m²
- Very high bonding strength: 350 kg/10 cm²
- Bonds all materials
- Waterproof joint
- Very high chemical and mechanical resistance
- For interior and exterior
- Ecological: does not contain solvents, silicones and isocyanates
- Neutral: does not corrode metals, does not damage delicate surfaces
- The joint can be painted

TECHNICAL PARAMETERS:

- Working time: 15 min
- Curing rate: 3 mm/ 24 h
- Application temperature: +5°C to +30°C
- Temperature resistance: -40°C to +90°C
- Colour: white, grey, anthracite, brown, black
- Low emission product (transparent version)

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Vector Rapid	310 ml	Cartridge	6	1 440
Mounting Adhesive High-Tack	100 ml	Tube on blister	12	1 080

Chemical Anchor Gun



Easy-to-use professional extruder for application of two-component products in 380 ml cartridges.

BENEFITS:

- Compact construction
- Very long life
- Can be used for application of dense, two-component materials in coaxial cartridges

TECHNICAL PARAMETERS:

- For two-component 380 ml cartridges

Product name	Packaging	Pieces per box
Vector Heavy Duty Caulking Gun	Box	1

Manual Gun 600 ml



High quality manual extruder for dispensing caulks and adhesives in 600 ml foil packs.

BENEFITS:

- Very long life
- Very high quality

TECHNICAL PARAMETERS:

- For 600 ml foils

Vector

Heavy Duty Caulking Gun



Very high quality, professional and easy to use extruder for application of sealants and adhesives in 310 ml cartridges.

BENEFITS:

- Compact construction
- Very long life
- Very high quality

TECHNICAL PARAMETERS:

- For 310 ml cartridges



WINDOW & DOOR

Professional window and door installation with the Tytan Professional Systems:

- Reduction of thermal bridges and energy saving, sound and thermal insulation which improve the comfort of living
- Preserving the continuity of insulation which prevents the formation of mold inside buildings
- Professional products which ensure high performance standards and the on-time completion of the installation

The basic material used for window and door installation in the majority of systems, is polyurethane foam. Selena, by offering the widest portfolio of foam products, has become one of the market leaders by creating new trends and by setting high quality standards in joinery. Selena was the first company to introduce the innovative, high yield technology – Tytan 65 Foam, which remarkably facilitated and quickened the installation process. Other innovations by Selena include, among others, ICE 65, Energy 2020 and Low MDI foams. Foams by Selena hold O₂ and M1 certificates which ensures the safety in use of these products.



© TESTED according to FEICA method



Owing to its own research and development achievements, Selena introduced the unique formulas for foams dedicated for various climate zones and construction technologies, Selena Group is the third largest polyurethane foam producer in the world, with six production plants in Poland, Turkey, China, South Korea and Brazil.

All Selena products are developed in close cooperation with window and door installers and tested to perfection in compliance with the latest standards in the international laboratories and certification centers.

The window and wall connection is one of the most sensitive areas causing the heat losses of buildings. The heat losses generated by leaky joinery can amount to 25%. Windows installed with the use of Tytan Professional systems ensure not only the energy savings but also a permanent comfort of living for long years. Selena offers systems dedicated for various installation technologies and for various types of windows and doors.





WINDOW & DOOR

- 85 Ice 65 Winter Gun Polyurethane Foam
- 85 65 Summer & Winter Gun Polyurethane Foam
- 86 Energy 2020 Gun Polyurethane Foam
- 87 Multi Protection Low MDI Gun Polyurethane Foam
- 87 Low Expansion Summer & Winter Gun Polyurethane Foam
- 88 Gun Summer & Winter Polyurethane Foam
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- 89 Window & Door Neutral Silicone
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- 94 Caliber 30 Gun for Polyurethane Foams
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- 95 Cured Foam Remover
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PRO Energy System

Classic Tytan Window System

The window installation with the reveal

Outer door installation – threshold insulation

PRO Energy System – window in the thermal insulation

% Heat loss



ProENERGY
SYSTEM

To reduce heat loss from the building you should not only ensure the selection of energy-efficient windows (with best U coefficient), but also correct installation and the use of high quality materials to insulate joint around the window. By using Tytan Window System we reduce the occurrence of fungi, mold and thermal bridges. The main three benefits of Tytan Window System are:

- Dry window without humidity, fungi and mold – common causes of allergies and diseases
- Excellent thermal insulation of installed window – cold air does not penetrate into the house, warm air does not escape from the house
- Perfectly tight seal around installed window – minimizes escape of warm air from the room, which reduces the need for heating and lowers heating bills

What is thermal bridge ?

An element of partition with much higher thermal conductivity ratio than the adjacent elements. Due to the temperature differences between the inside and the outside of a building, the point-cooling of the partition takes place. The thermal bridge leads to the intensified, uncontrolled heat outflow.

The consequences of the forming of thermal bridges are extremely inconvenient and cause a lot of problems, such as the following:

- an uncontrolled heat outflow, which leads to the excessive consumption of energy which affects the heat balance of the building
- the cooling of outer walls which may lead to an increased moisture content due to vapor condensation. This, in turn often results in the appearance of mold and fungi, which have a detrimental effect on human health
- serious damage may be incurred to the construction elements

Thermal Bridges form in the following places:

- roof and outer wall connection
- area where windows are fitted
- balcony and floor connection
- tie beams and lintels
- basement walls and basement ceilings top rims

Without PRO Energy System



With PRO Energy System



PRO Energy System – window in the thermal insulation

The installation of the window on the wall surface is the most energy-efficient solution. In this technology thermal bridges are reduced, the isotherm is transferred outside the building. In this technology it must be kept in mind not to double the outer vapor-permeable insulation. The objective is to preserve the continuity of insulation and not to double it. We should avoid changing it from the vapor-permeable into the vapor-tight one. The stability of the structure is ensured by mechanical supports, consoles or external installation profiles.

In order to increase the efficiency of installation work for fixing polystyrene shapes we recommend Tytan Professional 60 Seconds Fast Foam Adhesive.

ProENERGY SYSTEM



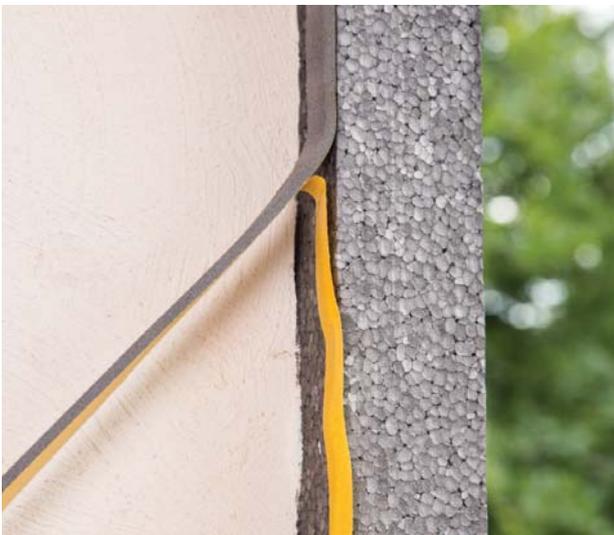
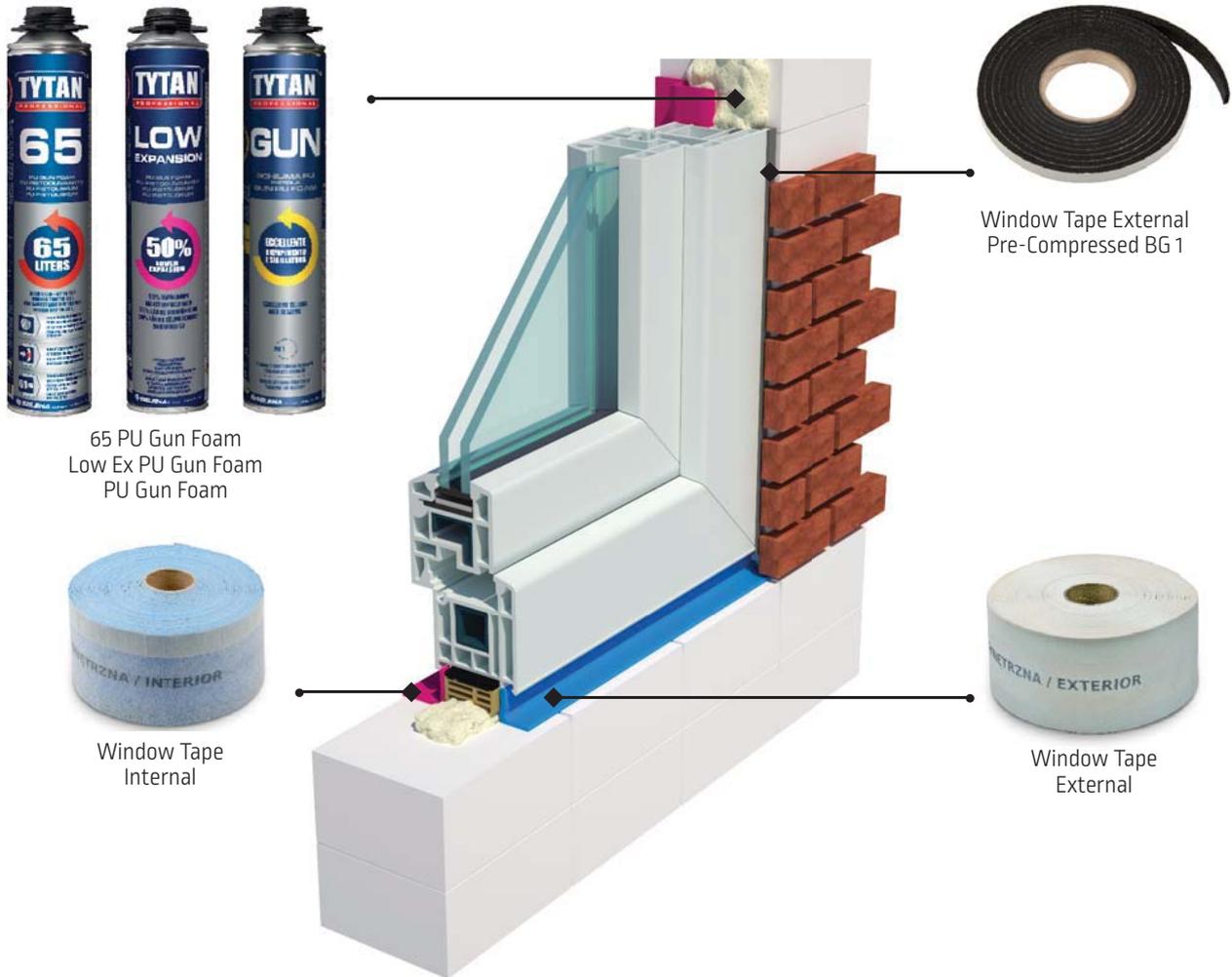
Classic Tytan Window System

The application of layered installation which ensures tight mechanical connections, is essential for the proper window and door fitting. The application of the warm sill allows to reduce thermal bridges in the most sensitive place of the installation. The air-tightness of the sill elements, which are not covered with a reveal or insulated, should be provided.



The window installation with the reveal

This technology is applied when windows have to be exchanged in the spots where the window frame comes in contact with the outer wall or insulation. The crucial part of the installation is ensuring proper tightness of the connection of the frame and the reveal.



Outer door installation – threshold insulation

The entry door threshold is one of the most sensitive places which requires an elastic, durable sealing. By applying the hybrid adhesive for EPDM membranes we fix the membrane and at the same time create a permanent moisture barrier.



Ice 65

Winter Gun Polyurethane Foam



High-quality gun polyurethane foam offering the highest yield – up to 65 l, and low post-expansion. The product was especially developed for winter conditions and can be applied from a can as cold as -5°C.

APPLICATIONS:

- Mounting of windows
- Thermal and acoustic insulation
- Filling and sealing cracks, gaps and pipe ducts

BENEFITS:

- High yield – up to 65 l
- Can be applied from a cold can – from -5°C
- Short curing time
- Low post-expansion
- Low pressure formulation (prevents bowing of door and window frames)
- Does not emit MDI vapours during application**
- M1 emission class for building material***

TECHNICAL PARAMETERS:

- Yield: up to 65 l
- Cutting time: ≤ 30 min
- Application temperature: -20°C to +30°C
- Can temperature: -5°C to +30°C
- Shelf life: 12 months

** The lack of MDI emission was certified by SP Proving Forskning Swedish Institute.
 *** Product classified by The Building Information Foundation RTS as M1 building material class. Once cured, it does not emit any hazardous substances.
 All communicated parameters were measured in compliance with Selena's internal standards and depend heavily on external curing conditions, equipment quality and adherence to application instructions.
 The parameters were measured in standard laboratory conditions +23°C and 50% RH.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Ice 65	750 ml	Can	12	624

65

Summer & Winter Gun Polyurethane Foam



High-quality gun polyurethane foam offering the highest yield – up to 65 l and low post-expansion.

APPLICATIONS:

- Mounting of windows
- Thermal and acoustic insulation
- Filling and sealing cracks, gaps and pipe ducts

BENEFITS:

- High yield – up to 65 l
- Acoustic insulation up to 61 dB (certified by IFT Rosenheim)
- Short curing time
- Low post-expansion
- Low pressure formulation (prevents bowing of door and window frames)
- Does not emit MDI vapours during application**
- M1 emission class for building material***

TECHNICAL PARAMETERS:

- SUMMER FOAM:**
- Yield: up to 65 l
 - Cutting time: ≤ 30 min
 - Application temperature: +5°C to +30°C
 - Can temperature: +10°C to +30°C
 - Shelf life: 18 months
- WINTER FOAM:**
- Yield: up to 65 l
 - Cutting time: ≤ 30 min
 - Application temperature: -20°C to +30°C
 - Can temperature: +5°C to +30°C
 - Shelf life: 12 months

** The lack of MDI emission was certified by SP Proving Forskning Swedish Institute.
 *** Product classified by The Building Information Foundation RTS as M1 building material class. Once cured, it does not emit any hazardous substances.
 All communicated parameters were measured in compliance with Selena's internal standards and depend heavily on external curing conditions, equipment quality and adherence to application instructions.
 The parameters were measured in standard laboratory conditions +23°C and 50% RH.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
65	750 ml	Can	12	624

Energy 2020

Gun Polyurethane Foam



Innovative gun polyurethane foam which eliminates thermal bridges efficiently and permanently. It reduces heat loss in joinery insulation by up to 60%*. Perfect solution for energy-efficient buildings.

APPLICATIONS:

- Perfect for mounting energy-efficient windows and doors
- Filling in places prone to thermal bridging

BENEFITS:

- Reduces heat loss in joinery insulation up to 60%*
- Dense, homogeneous structure
- Fast cutting time: ≤ 30 min
- Low pressure foam – prevents bowing of window & door frames
- Acoustic insulation: up to 64 dB
- All-season – application temperature: -10°C to +35°C
- Does not emit MDI during application**

TECHNICAL PARAMETERS:

- Heat transfer coefficient: $U \leq 0,5 \text{ W/m}^2\text{K}$
- Air permeability: class 4 (1 200 Pa)
- Air permeability coefficient: $a < 0,01 \text{ m}^3/(\text{m}^2 \cdot \text{h} \cdot \text{daPa}^2/3)$
- Water tightness: class E 1800 Pa
- Water vapour permeability μ : 16
- Yield: up to 45 l
- Cutting time: ≤ 30 min
- Application temperature: -10°C to +35°C
- Can temperature: +5°C to +30°C
- Shelf life: 18 months

* Value based on theoretical calculations regarding energy efficiency of insulation between window frame and wall completed with Energy 2020 PU foam versus standard foams of Selena Group: ITB report number 02207/13/Z00NF. Should not be associated with the energy efficiency of the entire building. More information available in technical documentation.
 ** The lack of MDI emission was certified by SP Proving Forskning Swedish Institute.
 *** Product classified by The Building Information Foundation RTS as M1 building material class. Once cured, it does not emit any hazardous substances. All communicated parameters were measured in compliance with Selena's internal standards and depend heavily on external curing conditions, equipment quality and adherence to application instructions. The parameters were measured in standard laboratory conditions +23°C and 50% RH.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Energy 2020	750 ml	Can	12	624

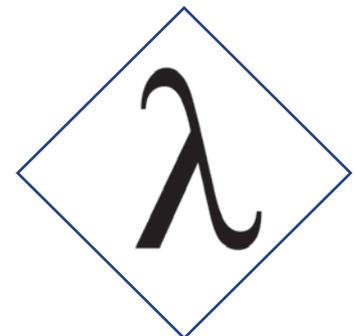
Lambda

The heat conductivity coefficient (λ), is the key parameter of thermal insulation efficiency for construction and insulation materials. It is given in W/mK. The heat transfer coefficient (U) defines thermal insulation capacity in the partition (wall, roof, flooring) of a given thickness (d). It is expressed in $\text{W/m}^2\text{K}$ units, since $U = \lambda/d$. The U coefficient is defined as the amount of heat transferred during 1 h through 1 m^2 of the flat partition (wall, window etc.) when the difference between inside and outside temperature measured on both sides of the partition is 1K (1°C).

It should be clearly stated that the lower the U coefficient the higher thermal insulation capacity of the partition. The U coefficients are calculated separately for walls, windows, etc., never for walls with windows as a whole.

An example of the impact of the quality of window installation on the heat transfer coefficient:

- A window of $U_w = 1,0$, correctly fitted reaches the U_w coefficient of 1,05 to 1,1 (5% to 15% higher).
- Passive window of $U_w = 0,7$, incorrectly fitted reaches the U_w coefficient of 1,2 (even 70% more than originally).
- In conclusion, even the most energy efficient passive window fitted incorrectly has lower insulating capacity (over the whole surface of the opening) than an average window which is correctly fitted.
- The reduced value of the U coefficient is directly related to the reduction of thermal bridges obtained as a result of proper installation.



What should private customer focus on when comparing windows on offer?

1. Every window has its own heat transfer coefficient (U_w) related to its size and quality. Different windows = different heat transfer coefficients.
2. The larger the window the better its U_w coefficient and vice versa. This is due to the fact that glass and frame have different values of the heat transfer coefficient. In other words, more glass = warmer window, but not vice versa.
3. It is prerequisite that windows are installed in compliance with technological guidelines (e.g. RAL, Hadamar or the guidelines issued by the Institute of Construction Technologies in Warsaw) in order to utilize 100% of their thermal insulating capacities.

Multi Protection Low MDI Gun Polyurethane Foam

Gun polyurethane foam designed for a wide range of sealing and filling applications. A special formula offers increased health protection based on three unique features: low MDI content, no MDI emission during application and after cure.

APPLICATIONS:

- Mounting of doors and windows
- Filling and sealing cracks, gaps and pipe ducts
- Sealing of frame structures

BENEFITS:

- Monomeric MDI content below 1%
- High thermal insulation
- Compact structure
- Resistant to moulds and fungi growth
- Low pressure formulation (prevents bowing of door and window frames)
- Does not emit MDI during application**
- M1 emission class for building material***

TECHNICAL PARAMETERS:

- Yield: up to 20 l
- Cutting time: ≤ 40 min
- Application temperature: +15°C to +30°C
- Can temperature: +15°C to +30°C
- B2 Fire rating class (DIN 4102-1)
- Shelf life: 12 months



** The lack of MDI emission was certified by SP Proving Forskning Swedish Institute.
 *** Product classified by The Building Information Foundation RTS as M1 building material class. Once cured, it does not emit any hazardous substances.
 All communicated parameters were measured in compliance with Selenia's internal standards and depend heavily on external curing conditions, equipment quality and adherence to application instructions.
 The parameters were measured in standard laboratory conditions +23°C and 50% RH.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Multi Protection	500 ml	Can	12	980

Low Expansion Summer & Winter Gun Polyurethane Foam

High quality gun polyurethane foam, characterized by a low volume growth (30–60%), low pressure formulation and increased yield up to 55 l.

APPLICATIONS:

- Mounting of doors and windows
- Filling and sealing cracks and gaps of different size
- Thermal insulation for water and sewage networks, central heating systems

BENEFITS:

- Precise application and controlled gap filling
- Low pressure formulation (prevents bowing of door and window frames)
- Thick, compact structure that ensures better thermal insulation and stronger adhesion to building materials
- Acoustic insulation up to 60 dB (certified by IFT Rosenheim)
- Does not emit MDI during application**
- M1 emission class for building material***

TECHNICAL PARAMETERS:

SUMMER FOAM:

- Yield: up to 55 l
- Cutting time: ≤ 40 min
- Application temperature: +5°C to +30°C
- Can temperature: +10°C to +30°C
- Shelf life: 18 months

WINTER FOAM:

- Yield: up to 65 l
- Cutting time: ≤ 30 min
- Application temperature: -10°C to +30°C
- Can temperature: +5°C to +30°C
- Shelf life: 12 months



** The lack of MDI emission was certified by SP Proving Forskning Swedish Institute.
 *** Product classified by The Building Information Foundation RTS as M1 building material class. Once cured, it does not emit any hazardous substances.
 All communicated parameters were measured in compliance with Selenia's internal standards and depend heavily on external curing conditions, equipment quality and adherence to application instructions.
 The parameters were measured in standard laboratory conditions +23°C and 50% RH.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Low Expansion	750 ml	Can	12	624

Gun

Summer & Winter Polyurethane Foam



High quality gun polyurethane foam with a perfect structure and high density, designed for professional mounting of windows and doors.

APPLICATIONS:

- Mounting of doors and windows
- Filling and sealing cracks, gaps and pipe ducts
- Sealing of frame structures

BENEFITS:

- High thermal insulation
- Short curing time
- Compact structure
- Resistant to moulds and fungi growth
- Low pressure formulation (prevents bowing of door and window frames)
- Does not emit MDI during application**
- M1 emission class for building material***

TECHNICAL PARAMETERS:

SUMMER FOAM:

- Yield: up to 45 l
- Cutting time: ≤ 40 min
- Application temperature: 0°C to +30°C
- Can temperature: +10°C to +30°C
- Shelf life: 18 months

WINTER FOAM:

- Yield: up to 65 l
- Cutting time: ≤ 30 min
- Application temperature: -10°C to +30°C
- Can temperature: +5°C to +30°C
- Shelf life: 12 months

** The lack of MDI emission was certified by SP Proving Forskning Swedish Institute.

*** Product classified by The Building Information Foundation RT5 as M1 building material class. Once cured, it does not emit any hazardous substances.

All communicated parameters were measured in compliance with Selena's internal standards and depend heavily on external curing conditions, equipment quality and adherence to application instructions. The parameters were measured in standard laboratory conditions +23°C and 50% RH.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Gun	750 ml	Can	12	624

2K

Polyurethane Foam



Tytan 2K is a two-component foam for quick assembly of building elements. Easy twist activation system appreciated by the customers.

APPLICATIONS:

- Doors mounting and isolation of window sills and thresholds
- Mounting, soundproofing and insulation of shower trays and bathtubs
- For general building actions requiring quick installation

BENEFITS:

- Chemically cured foam – no moisture required
- Very short curing time up to 15 min – speed up installation process
- High mechanical endurance – guarantees rigidity and stability
- B2 fire rating class (DIN 4102-1)

TECHNICAL PARAMETERS:

- Yield: up to 10 l
- Cutting time: ≤ 15 min
- Full cure time: 4 h
- Application temperature: +10°C to +25°C
- Can temperature: +10°C to +25°C
- Shelf life: 12 months

Product name	Content	Packaging	Pieces per box	Pieces per pallet
2K	400 ml	Can	12	980

Window & Door Neutral Silicone

Fast curing neutral sealant that creates a non-shrinking, flexible joint, resistant to weather conditions and UV radiation. Recommended for windows made of PVC, metal, wood.



APPLICATIONS:

- Flexible sealing in window frame glazing
- Flexible sealing between window sill, window frame and the wall
- For interior and exterior use
- All types of joints around windows and doors

TECHNICAL PARAMETERS:

- Colour: white and transparent
- Working time: 5–15 min
- Curing time: 3 mm per 24 h
- Application temperature: +5°C to +40°C
- Temperature resistance: -40°C to +120°C

BENEFITS:

- Resistant to weather conditions, UV radiation, mould and fungus
- Excellent adhesion to both porous and nonporous substrates
- Can be used with all kind of materials: PVC, metal, wood

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Window & Door Neutral Silicone	310 ml	Cartridge	12	1 440

Window & Door Acrylic

Paintable acrylic sealant recommended for filling and sealing interior gaps between window frame and wall. Designed to imitate structure of the wall (finishing coat). It can be painted with any kind of paint within 1 hour, without the risk of cracking or discoloration.



APPLICATIONS:

- Sealing around window and door frames
- Filling drywall connections, fissures in walls and balustrades
- Small plaster repairs before painting

TECHNICAL PARAMETERS:

- Colour: white
- Working time: 5–10 min
- Curing time: 3 mm per 24 h
- Application temperature: +7°C to +40°C
- Temperature resistance: -20°C to +80°C

BENEFITS:

- Paintable 1 h after application
- UV resistant
- Excellent adhesion to porous substrates (concrete, plaster, brick, wood or drywall)

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Window & Door Acrylic	310 ml	Cartridge	12	1 440

Adhesive for EPDM Energy 2020



One-component hybrid-based adhesive, solvents free, which forms a flexible and strong bond.

APPLICATIONS:

- Bonding of EPDM sealing tapes to facade elements

BENEFITS:

- Fast and very strong initial grip
- High bonding strength
- Flexible joint
- Long open time

TECHNICAL PARAMETERS:

- Application temperature: +15°C to +25°C
- Application by brush, roller or trowel
- Evaporation time: 3 min

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Adhesive for EPDM Energy 2020	310 ml	Cartridge	12	1 440

Adhesive for PVC Profiles



Adhesive for PVC profiles is suitable for quick bonding of construction materials made of hard PVC, such as drip molds, additional window profiles and moldings, elements of shutters, gutters and pipes.

APPLICATIONS:

- Used in window manufacturing for bonding of additional profiles
- Bonding and sealing of finishing window slats
- Sealing corners in PVC windows
- Bonding of PVC and ABS in pipes, pipe fittings, collars, joints, drains, PVC sheets

BENEFITS:

- Extremely weather resistant – contains UV stabilizers like a PVC window profile
- Good thermal resistance
- Thixotropic
- Quick curing

TECHNICAL PARAMETERS:

- Colour: white
- Working time: 1–4 min
- Curing time: 24 h
- Application temperature: +15°C to +25°C
- Temperature resistance: -20°C to +80°C

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Adhesive for PVC Profiles	200 g	Tube	32	1 920

Window Tape Interior



Window Tape Interior provides an additional insulating layer between the wall and frame of windows or doors, thus protecting the joints from absorbing the moisture from the room. The tape consists of a high quality vapour barrier membrane, which guarantees the optimum value of $S_d \geq 50$ m, coated on both sides with non-woven polypropylene.

APPLICATIONS:

- Internal insulation between the wall and window or door frame to protect joints from moisture

BENEFITS:

- Vapour proof (high S_d value)
- Suitable for interior use
- Easy-to-use
- Can be plastered and painted

TECHNICAL PARAMETERS:

- Temperature resistance: -40°C to $+100^{\circ}\text{C}$
- Tensile strength: > 5 MPa
- UV resistance: 12 months
- Shelf life: 1 year

Product name	Width / Length	Adhesive	Rolls in box	Pieces per pallet
Window Tape Interior	70 mm / 30 m	No butyl	1	480
	100 mm / 30 m	No butyl	1	360
	150 mm / 30 m	No butyl	1	240
	70 mm / 30 m	With butyl single-sided	1	480
	100 mm / 30 m	With butyl single-sided	1	360
	150 mm / 30 m	With butyl single-sided	1	240
	70 mm / 30 m	With butyl double-sided	1	480
	100 mm / 30 m	With butyl double-sided	1	360
	150 mm / 30 m	With butyl double-sided	1	240

Window Tape Exterior



Window Tape Exterior provides an additional insulating layer between the wall and frame of windows or doors, preventing the joints from absorbing the rain and wind and improving the overall insulation parameters. The tape consists of a high quality vapour permeable membrane, which guarantees the optimum value of $S_d \leq 0,05$ m, coated on both sides with nonwoven polypropylene.

APPLICATIONS:

- External insulation between the wall and window or door frame to protect joints from weather

BENEFITS:

- High breathability membrane (low S_d value)
- Rainproof
- Suitable for exterior use
- Can be plastered and painted

TECHNICAL PARAMETERS:

- Temperature resistance: -40°C to $+100^{\circ}\text{C}$
- Tensile strength: > 5 MPa
- UV resistance: 3 months
- Shelf life: 1 year

Product name	Width / Length	Adhesive	Rolls in box	Pieces per pallet
Window Tape Exterior	70 mm / 30 m	No butyl	1	480
	100 mm / 30 m	No butyl	1	360
	150 mm / 30 m	No butyl	1	240
	70 mm / 30 m	With butyl single-sided	1	480
	100 mm / 30 m	With butyl single-sided	1	360
	150 mm / 30 m	With butyl single-sided	1	240
	70 mm / 30 m	With butyl double-sided	1	480
	100 mm / 30 m	With butyl double-sided	1	360
	150 mm / 30 m	With butyl double-sided	1	240

Window Tape Universal



Universal tape for window & door installation, recommended for protection and insulation of connections between the wall and the frame of windows or doors, both inside and outside the building. The tape consists of a high-quality smart membrane with a variable Sd rate, which eliminates the need for two dedicated tapes.

APPLICATIONS:

- Protection and insulation of joints between the wall and frame of windows and doors both inside and outside the building

BENEFITS:

- For interior and exterior use
- High-quality membrane
- Smart membrane with a variable Sd rate from 0,2 up to 7,1 m

TECHNICAL PARAMETERS:

- Water vapour permeability (PN-EN 12572): from 1,05 to 12 m
- Water resistance (PN-EN 1928): $\geq 0,02$ MPa
- Adhesion (DIN EN 1939-C): 15 N/ 25 mm
- Tensile strength (DIN EN 12311-2/A): ≥ 80 N/5 cm
- Elongation at break (DIN EN 12311-2/A): \geq min 100%
- UV resistance: 3 months

Product name	Width / Length	Adhesive	Rolls in box	Pieces per pallet
Window Tape Universal	70 mm / 30 m	No butyl	1	480
	100 mm / 30 m	No butyl	1	360
	150 mm / 30 m	No butyl	1	240
	70 mm / 30 m	With butyl single-sided	1	480
	100 mm / 30 m	With butyl single-sided	1	360
	150 mm / 30 m	With butyl single-sided	1	240
	70 mm / 30 m	With butyl double-sided	1	480
	100 mm / 30 m	With butyl double-sided	1	360
	150 mm / 30 m	With butyl double-sided	1	240

Butyl Tape



A self-adhesive tape based on butyl rubber coated on one side with synthetic fleece. The tape forms a high vapor barrier and is waterproof.

APPLICATIONS:

- Sealing doors and windows (between the jamb and the door frame)
- Expansion joints, roof windows and facades
- Chimneys
- For use as internal insulation

BENEFITS:

- Highly vapour tight and waterproof
- Very good adhesion to various surfaces
- Perfectly absorbs noise
- Resistant to fungi and mould

TECHNICAL PARAMETERS:

- Water vapour permeability (PN-EN 12572): ≥ 15000 m
- Water resistance (PN-EN 1928): 200 mm H₂O
- Adhesion (DIN EN 1939-C): 33 N/ 10 mm
- Tensile strength (DIN EN 12311-2/A): ≥ 2 MPa
- Elongation at break (DIN EN 12311-2/A): $\geq 60\%$

Product name	Width / Length	Rolls in box	Pieces per pallet
Butyl Tape	75 mm / 25 m	1	480
	100 mm / 25 m	1	360
	150 mm / 30 m	1	240

Butyl-Alu Tape



A self-adhesive tape based on rubber butyl reinforced on one side with aluminum foil. The tape forms a high vapour barrier and is waterproof, so it can be used for a wide range of construction applications.

APPLICATIONS:

- Sealing around roof windows and skylights
- Expansion joints
- Chimneys, aluminum facades, winter gardens and air conditioning units

BENEFITS:

- Highly vapour tight and waterproof
- Very good adhesion to different surfaces
- Perfectly absorbs noise
- Resistant to fungi and mould

TECHNICAL PARAMETERS:

- Water vapour permeability (PN-EN 12572): ≥ 1500 m
- Water resistance (PN-EN 1928): $\geq 0,1$ MPa
- Adhesion (DIN EN 1939-C): 33 N/10 mm
- Tensile strength (DIN EN 12311-2/A): ≥ 4 MPa
- Elongation at break (DIN EN 12311-2/A): $\geq 80\%$

Product name	Width / Length	Rolls in box	Pieces per pallet
Butyl-Alu Tape	75 mm / 25 m	1	480
	100 mm / 25 m	1	360
	150 mm / 30 m	1	240

Pre-Compressed Tape BG1, BG2, DB



A self-adhesive, impregnated tape based on polyurethane foam with open cells. It does not contain plasticizers. The tape is packed in rolls compressed to approx. 15–20% of the target thickness, and expands slowly in the gap when released from the roll. Depending on the requirements, there are several types of tapes with different water resistance index: BG1, BG2 and DB.

APPLICATIONS:

- Sealing the joint between the window or door frame and the jamb, in case of plastered window openings

BENEFITS:

- Leaves a completely homogenous tight seal
- Resistant to water-penetration and UV
- Remains elastic
- Insulation against noise and vibrations

TECHNICAL PARAMETERS:

- Colour: white
- Working time: 5–10 min
- Curing time: 3 min per 24 h
- Application temperature: +7°C to +40°C
- Temperature resistance: -20°C to +80°C

Product name	BG1	BG2	DB
Density [kg/m ³]	120	80	50
Tensile strength [kPa]	ca. 170	ca. 155	ca. 155
Elongation at break [%]	ca. 170	ca. 140	ca. 140
Water resistance [Pa]	600	300	300
Air permeability [m ³ /h/m] [Pa] 2/3	a \leq 0,01	a \leq 0,03	a \leq 0,1
Flexibility [w -35°C]	no cracks	no cracks	no cracks
Heat ratio [w/m ²]	0,06	0,06	–

Sizes of tapes	Gap width	Sizes of tapes	Gap width
10 x 2 / 10 mm	3–5 mm	15 x 6 / 30 mm	8–15 mm
15 x 2 / 10 mm		20 x 6 / 30 mm	
20 x 2 / 10 mm		25 x 6 / 30 mm	
30 x 2 / 10 mm	4–7 mm	30 x 6 / 30 mm	10–20 mm
10 x 3 / 15 mm		15 x 8 / 40 mm	
15 x 3 / 15 mm		20 x 8 / 40 mm	
20 x 3 / 15 mm	5–10 mm	25 x 8 / 40 mm	12–25 mm
30 x 3 / 15 mm		30 x 8 / 40 mm	
10 x 4 / 20 mm		20 x 10 / 50 mm	
15 x 4 / 20 mm	7–12 mm	25 x 10 / 50 mm	15–30 mm
20 x 4 / 20 mm		30 x 10 / 50 mm	
25 x 4 / 20 mm		20 x 12 / 60 mm	
30 x 4 / 20 mm	7–12 mm	25 x 12 / 60 mm	15–30 mm
15 x 5 / 25 mm		30 x 12 / 60 mm	
20 x 5 / 25 mm			
25 x 5 / 25 mm			
30 x 5 / 25 mm			

Caliber 30 Gun for Polyurethane Foams



A new generation gun applicator which guarantees increased foam yield. The valve is opened mechanically by contact with the can and is not dependent on the pressure inside the can.

APPLICATIONS:

- Application of one component polyurethane foams and foam adhesives in cans

BENEFITS:

- Up to 30% increased foam yield
- Metal body: no leakage, no spraying
- Stable performance of foam
- Low post-expansion
- Stable foam flow
- Easier cleaning

Product name	Packaging	Pieces per box	Pieces per pallet
Caliber 30 Gun	Box	20	480

Pro Gun for Polyurethane Foams



Professional gun applicator for polyurethane foams. Construction elements made of metal guarantee high durability and extended product life.

APPLICATIONS:

- Application of one component polyurethane foams and foam adhesives in cans

BENEFITS:

- Solid construction – metal body
- Teflonised basket
- Perfect handling due to ergonomic handgrip
- Easy foam output control
- Secured backscrew (patented solution)
- Needle stabilisation (patented solution)
- New basket internal diameter – resulting in higher output
- High durability

Product name	Packaging	Pieces per box	Pieces per pallet
Pro Gun	Box	40	480

Graphite Gun for Polyurethane Foams



Professional gun applicator for one component PU foams. Construction made of teflon coated aluminum with copper nozzle guarantees comfortable and professional work.

APPLICATIONS:

- Professional foam application way for mounting window and door frames

BENEFITS:

- High durability
- Easy cleaning
- Low weight – easy work

Product name	Packaging	Pieces per box	Pieces per pallet
Graphite Gun	Box	40	480

Cured Foam Remover



Professional cleaning product with very high efficiency. Cleans cured polyurethane foam. Ideal for cleaning most types of surfaces: PVC, wood, stone, tiles, concrete, epoxy, steel, upholstery, clothing, work clothes, hands, etc., very fast action without interfering with the structure of the surface.

BENEFITS:

- Eliminates cured foams in 2 min
- Safe for all surfaces
- Friendly to humans and the environment
- Easy and comfortable to use

TECHNICAL PARAMETERS:

- Solvent: free
- Shelf life: 18 months

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Cured Foam Remover	100 ml	Bottle	12	4 032

Cleaner

for Polyurethane Foams



Multifunctional agent for removing uncured polyurethane foams and adhesives.

BENEFITS:

- Excellent for removing uncured polyurethane foams and adhesives
- Essential for cleaning and degreasing surfaces prior to the application of polyurethane or silicone
- Indispensable for cleaning valves and gun applicators for polyurethane foams and foam adhesives

TECHNICAL PARAMETERS:

- Solvent: acetone
- Propellant: propane-butane-isobutene
- Shelf life: 36 months

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Cleaner	500 ml	Can	12	780





	65	65 Winter	Ice 65	Low Expansion
Main recommendation	Large number of windows to install	Large number of windows to install	Window installation in extremely low temperature	For narrow window joints & door installation
Yield	up to 65 l	up to 65 l	up to 65 l	up to 55 l
Can temperature	+10°C to +30°C	+5°C to +30°C	-20°C to +30°C	+10°C to +30°C
Ambient temperature	+5°C to +30°C	-20°C to +30°C	-20°C to +30°C	+5°C to +30°C
Cutting time	≤ 30 min	≤ 30 min	≤ 30 min	≤ 30 min
M1 certificate	yes	yes	yes	yes
O₂ certificate	yes	yes	yes	yes
Acoustic insulation	61 dB	61 dB	61 dB	60 dB
Fire class	B3	B3	B3	B3
Thermal conductivity λ	0,036 W/mK	0,036 W/mK	0,036 W/mK	0,036 W/mK
Shelf life	18 months	12 months	12 months	18 months





Low Expansion Winter	Energy 2020 All Season	Multi Protection	Gun	Gun Winter	2K
For narrow window joints & door installation	Energetic efficiency	Low MDI below 1%	Classic application	Classic application	Door installation
up to 55 l	up to 45 l	up to 20 l	up to 45 l	up to 45 l	up to 10 l
+5°C to +30°C	+5°C to +30°C	+15°C to +30°C	+10°C to +30°C	+5°C to +30°C	+10°C to +25°C
-10°C to +30°C	-10°C to +35°C	+15°C to +30°C	0°C to +30°C	-10°C to +30°C	+10°C to +25°C
≤ 30 min	≤ 25 min	≤ 40 min	≤ 40 min	≤ 40 min	≤ 15 min
yes	yes	yes	yes	yes	yes
yes	yes	yes	yes	yes	yes
60 dB	64 dB	-	-	-	63 dB
B3	B3	B2	B3	B3	B2
0,036 W/mK	0,032 W/mK	0,036 W/mK	0,036 W/mK	0,036 W/mK	0,036 W/mK
12 months	18 months	12 months	18 months	12 months	12 months





ROOFS

- Selena offers solutions for all types of roofs
- We improve work standards for contractors – thanks to our products their work becomes better, faster and easier.
- Our innovative solutions create new trends in the sustainable construction

Waterproofing is one of the primary tasks of construction

Selena is one of the few companies in the world with such a wide range of its own technologies. This allows us to provide waterproofing solutions for any type of roof, regardless whether they are the sloped roofs or the flat roofs.

We offer products of various roof covers including bituminous, metal sheet, ceramic or concrete ones.



Thanks to our versatility we support individual, residential and investment construction projects, our technologies can be used on both new and renovated roofs by the users of a varying degree of competence.

Our global experience enables us to meet the diverse demands of our investors and contactors, and primarily, to provide customized solutions adjusted to various geographical locations and local technology standards.

What are our distinctive features?

In waterproofing, as in other areas, Selena strives for improvement of work standards for contractors. We search for faster, easier and more convenient application formulas while keeping high technical standards of our products. We always look to substitute traditional methods with new, better solutions such as: spraying application, applications which do not require the use of open flame or mechanical fixing.

We create state of the art, innovative solutions for sustainable construction. We optimize the energy efficiency of buildings, develop green spaces in urban areas and eliminate thermal bridges.

Selena is the first company in the world to develop a revolutionary COOL-R system which combines cooling and waterproofing properties in a single product solution.



FLAT ROOFS

- 107 COOL-R System
- 108 Tack-R Mechanically Fixed Roof System
- 108 Tack-R Inverted Roof System
- 109 Tack-R Self-Adhesive Roof System
- 109 Tack-R Green Roofs System
- 110 Evomer Fast Primer
- 110 Evomer Fast Coating
- 111 Evomer Fast Filler
- 112 Abizol R
- 112 Abizol H/RDR
- 113 Abizol P/S
- 113 Abizol G
- 114 Abizol KL-DM
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- 115 Alubit Reflex
- 115 Tack-R Flashing
- 116 Aqua Protect
- 117 KDT 12 – Foam Adhesive for Thermal Insulation

Sloping Roofs 119

Flat roof

Flat roof or a low-pitch roof performs two functions – of the roof cover and at the same time of the ceiling over the top floor of a building. Flat roofs can be divided into two categories: usable roofs and non-usable roofs. The usable roofs serve as external decks or green spaces, gardens or car parks.



Flat roofing structure

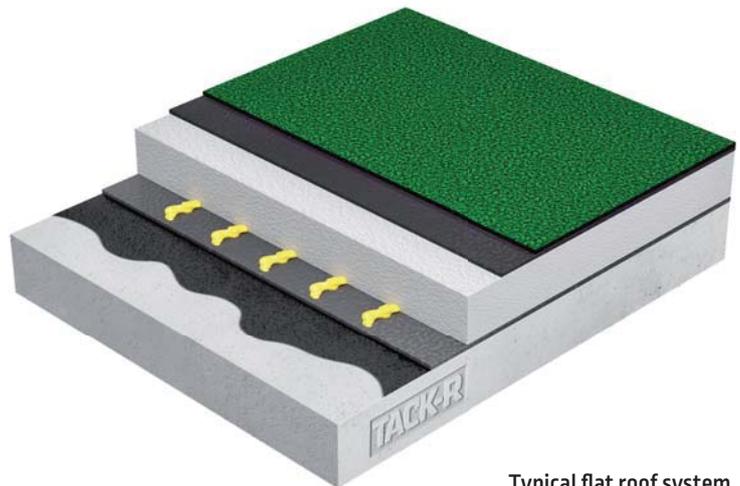
Flat roofs are multi-layered structures where each layer performs a different function. The biggest challenge is the proper rendering of the roof's waterproofing which is the key element of every flat roof.

To ensure the run-off of rain water, the flat roof should be pitched at an angle of up to 2%. The inclination can be directed towards the edge of the roof allowing water to flow down or towards the middle from where it is drained by special drainage system.

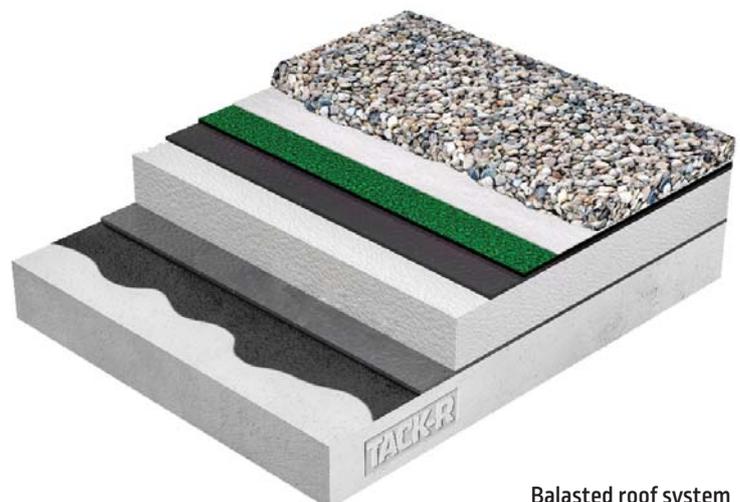
Flat roofs are laid in the following way: a supporting surface (for example a reinforced concrete ceiling) is coated with the bituminous priming layer, next a vapour-proof layer is laid which forms a moisture resistant base for another layer, namely, the thermal insulation. Finally, the proper waterproofing top layer is laid which makes the whole surface water tight.

This structure of the flat roof provides easy access to the waterproofing layer and facilitates the monitoring of its tightness, the fixing of defects and maintenance works.

When additional protection of the waterproofing layer against mechanical damage or harmful weather is needed, this traditional layout can be secured by an extra layer of ballast which is laid on the special protective covering fabric.



Typical flat roof system



Ballasted roof system

Inverted flat roofs

When the flat roof is utilized as, for example, green roof, the sequence of layers can be inverted. This allows us to reduce the total thickness of the cover by applying thinner thermal insulation layer. It also protects the waterproofing layer against possible damage. The type of top layer of the inverted roof is chosen accordingly to the roof's intended usage.

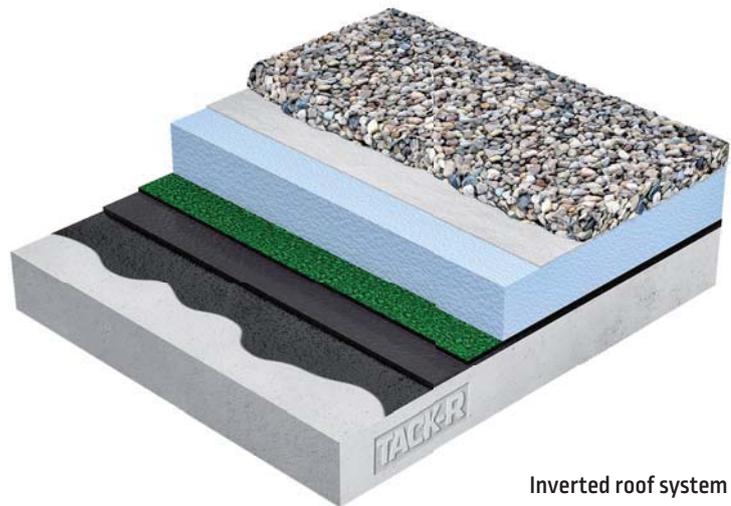
For the inverted green planted roof, the thermal insulation layers are placed directly on the primed substrate and secured with special protective covering fabric. It is necessary to add the ballast so as to protect the thermal insulation from being blown off the roof.

Each layer of the flat roof can be fitted using various techniques.

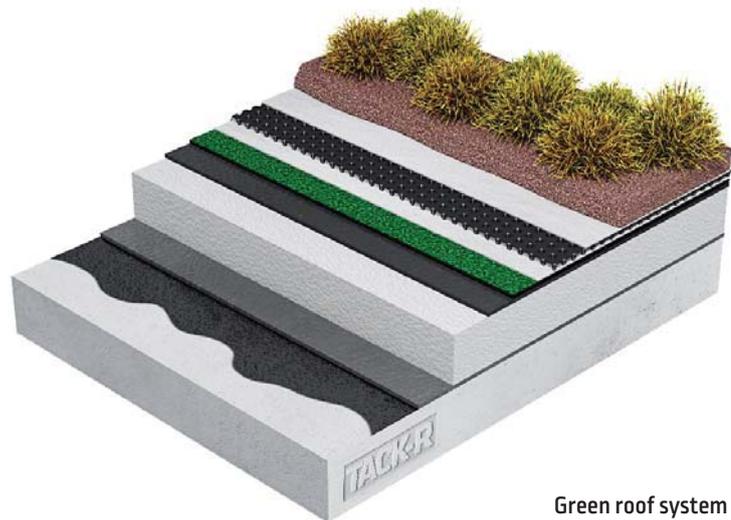
Mechanical fitting which employs special connectors.

Adherent or self-adhesive roofs – do not require mechanical fitting as each layer is bonded with the use of an adhesive or a self-adhesive membrane.

Torch on roof – torching on is based on melting the waterproofing layer onto the whole surface of the bituminous membranes.



Inverted roof system



Green roof system

Finishes and flashings

The water tightness of flat roofs depends not only on properly performed waterproofing but also on the proper treatment of attics, firewalls, and all the elements that break the continuity of the roof cover, such as roof lights, chimneys or steel substructures.

Owing to its structure, the flat roof is exposed to the accumulation of snow or to water stagnations. This is why proper workmanship and the application of systemic solution is so vital.





Cooling



Waterproofing



Reflection



Non spreading fire



Durability

SRI = 107 Solar Reflectance Index

COOL-R System

One of the main effects of solar radiation is heating up of the exposed surfaces. For the construction element in question here – the roof – these effects may be positive and can be used to our advantage by installing solar and photovoltaic cells. Unfortunately, the negative effects of solar radiation have to be dealt with more frequency, especially, those resulting from an exposure to infrared radiation which causes overheating of the roofs and as a consequence-temperature rise in the interior of the buildings.

Another negative effect of the UV radiation and roof overheating is the fast ageing of the roof covering. The life of practically every type of roof coating in large-scaled buildings is determined by its resistance to solar radiation and their lifespan is max. 10–15 years.

Every building should provide an optimal thermal comfort for its users. The most common way to reduce the temperature in the premises is by installing cooling units. However, this leads to lower energy-efficiency of the building and increases the maintenance costs as the power demand for cooling grows. In many cases air-conditioning systems are not able to cope with increasingly frequent extreme temperatures, which negatively impacts the thermal comfort of people in the premises. The application of COOL-R enhances the life expectancy of both the roof membrane and the building's cooling equipment.

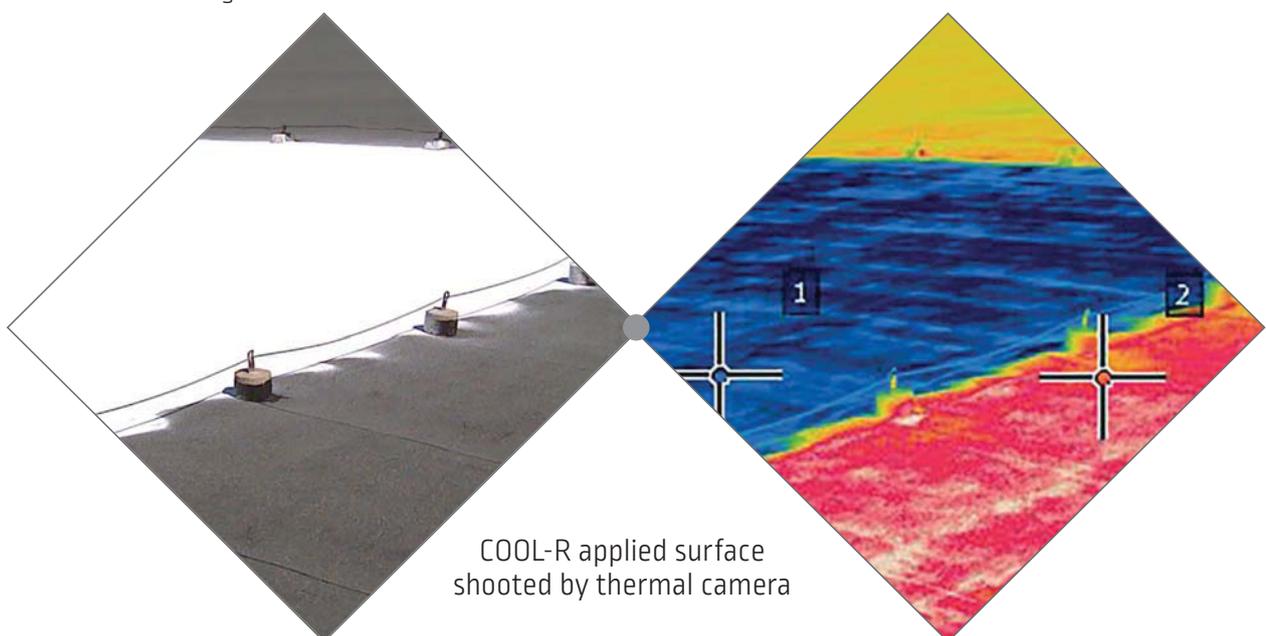
COOL-R is a highly-reflective roof coating which ensures the joined benefits of reduced temperature inside the building and the perfect waterproofing coating of the roof surface.

Thanks to the applied technology, the COOL-R coating is characterized by a high SRI (Solar Reflectance Index = 107), which means that the coating not only reflects sunlight (as much as 86% of sun rays on the coating are reflected), but also releases most of the absorbed or non-reflected heat (0,85), reducing the temperature on the roof and under its surface. Thanks to COOL-R, the roof temperature is reduced by as much as 70%, and by as much as 10°C inside the premises.

**COOL-R reduces
the roof temperature by 70%,
and inside the building
- up to 10°C**



COOL-R technology is a unique solution that was designed not only to reduce the roof temperature but also to protect it against all the consequences of ageing and water penetration. COOL-R provides permanent waterproofing coating of the roof, protecting it against negative impact of water, without adding excessive load on its structure. Application of the COOL-R coating enhances the roof's life expectancy and the resistance of the roof cover to weather conditions such as temperature fluctuations as well as to mechanical damage.

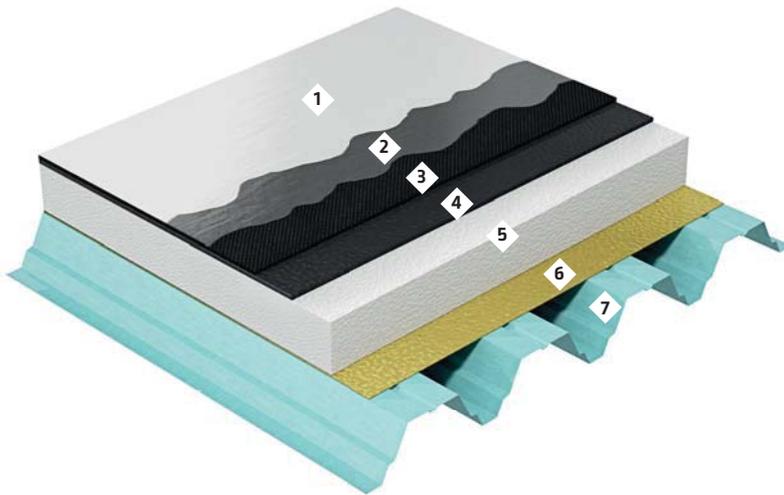


COOL-R applied surface
shooting by thermal camera



COOL-R System Highly Reflective Waterproofing Coating

COOL-R is a highly reflective roof coating that combines the benefits of temperature reduction inside the building and providing an excellent waterproof membrane in a form of roof surface. Thanks to the technology applied, the COOL-R coating has a very high SRI number (Solar Reflectance Index = 107) and high waterproofing parameters. With the use of COOL-R roof the temperature shall be reduced even by up to 70%, and inside the building – up to 10°C.



SYSTEM ELEMENTS:

1. COOL-R white (0,9 kg/m²)
2. COOL-R grey (0,9 kg/m²)
3. Top layer membrane COOL-R FIX S50
4. Underlay membrane Tack-R FIX20 S27
5. Thermal insulation EPS 100
6. Vapour barrier
7. Metal sheet

APPLICATIONS:

- Flat roofs made of metal and concrete substrates covered with bituminous/ PVC membranes
- Renovation of roofs
- Halls, production plants, logistics centres, shopping centres

BENEFITS:

- Elimination of the problem of roof overheating
- Protection of roof covering against the adverse effects of solar radiation
- High-performance, jointless waterproof membrane
- No excess load on roof framework

TECHNICAL PARAMETERS:

- SRI (Solar Reflectance Index): 107

Parameter	COOL-R Underlay grey	COOL-R Top layer white
Consistency	Semi-liquid paste	Semi-liquid paste
Resistance to rain [h]	1,5	1,5
Curing time of first layer [h]	2,0	2,0
Curing time of coating [h]		24

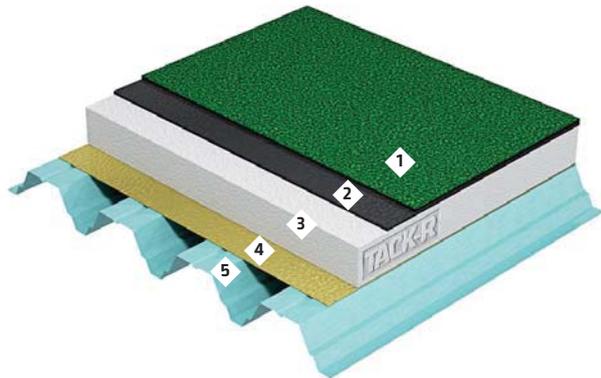
- As supplied – tested at +23°C and 50% relative humidity

Parameter	COOL-R coating*
Elongation at break [%]	450
Elasticity at low temperatures [°C]	-35
Water tightness [kPa]	200
Resistance to external fire	B _{Roof(t)} *
Weight burden to 1 m ² of roof [kg]	1,42

* As cured - tested after 4 weeks at +23°C and 50% relative humidity.

Product name	Content	Packaging	Pieces per pallet
COOL-R	15 kg	Plastic pail	44

Tack-R Mechanically Fixed Roof System



A classic solution in the system of flat roofs based on steel and concrete structures. This system does not put too much load on the roof structure and its components may be assembled in difficult weather conditions.

SYSTEM ELEMENTS:

1. Bituminous top membrane Tack-R TT20 S40
2. Bituminous undercoat membrane Tack-R FIX20 S27
3. Thermal insulation
4. PE vapour-proof membrane
5. Metal sheet

APPLICATIONS:

- Application on steel and concrete structures
- Enclosed structures, residential buildings, commercial centres

BENEFITS:

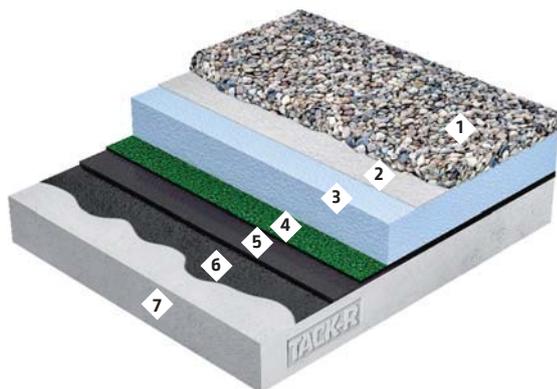
- Small load of structure (approx. 8,5 kg/m^{2*})
- Applicable at negative temperatures (to -10°C)
- Fire retardance (BroofT1)

* No thermal insulation needed.

TECHNICAL PARAMETERS:

Product name	SBS-modified	Base material	Assembly	EN PL	Thickness	Length	Pallet quantity
Tack-R TT20 S40	SBS [-20]	Polyester	Torch-applied	13 707	4,0 mm	7,5 rm	150 m ²
Tack-R FIX20 S27	SBS [-20]	Composite	Mech. fixed	13 707	2,7 mm	10,0 rm	240 m ²
Tack-R ALU S30	SBS [-15]	Veil + Alu	Torch-applied	13 707	3,0 mm	10,0 rm	200 m ²

Tack-R Inverted Roof System



This system is dedicated for concrete structures. Specially recommended for investments in which the key issue is to maintain long life of waterproof membrane and provide protection against the harmful effects of external factors.

SYSTEM ELEMENTS:

1. Ballast layer
2. Green Geo Tex 300 protective geotextile
3. XPS thermal insulation
4. Torch-on bituminous membrane Tack-R TT20 S40
5. Torch-on bituminous membrane Tack-R TU20 S30
6. Priming preparation
7. Steel-concrete ceiling

APPLICATIONS:

- Concrete structures
- Residential buildings, commercial centres

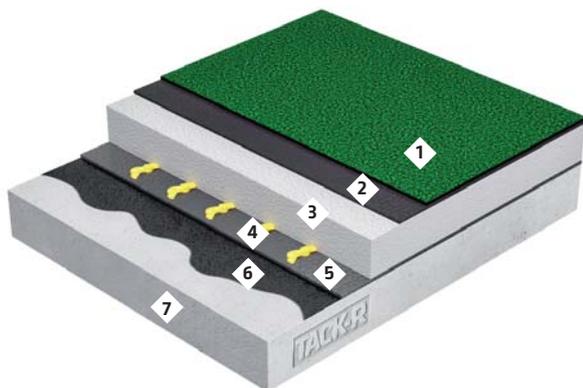
BENEFITS:

- Extended lifespan of roof covering
- Protection of waterproof membrane against mechanical damages

TECHNICAL PARAMETERS:

Product name	SBS-modified	Base material	Assembly	EN PL	Thickness	Length	Pallet quantity
Tack-R S ALU S26	SBS [-20]	Veil + Alu	Self-adhesive	13 707	2,6 mm	10,0 rm	240 m ²
Tack-R ST25 S50	SBS [-25]	Polyester	Self-adhesive	13 707	5,0 mm	5,0 rm	120 m ²
Tack-R SU20 S25	SBS [-20]	Glass fabric	Self-adhesive	13 707	2,5 mm	10,0 rm	240 m ²
Tack-R TT20 S40	SBS [-20]	Polyester	Torch-applied	13 707	4,0 mm	7,5 rm	150 m ²
Tack-R TU20 S30	SBS [-20]	Polyester	Torch-applied	13 707, 13 969	3,0 mm	10,0 rm	200 m ²

Tack-R Self-Adhesive Roof System



The innovative roof system that does not require mechanical fixing. This is the first solution in the market that uses both a double-sided self-adhesive underlay bituminous membrane and a self-adhesive bituminous top membrane. Foam adhesive KDT 12, dedicated for the system, allows fitting thermal insulation without the use of mechanical fasteners.

SYSTEM ELEMENTS:

1. Self-adhesive bituminous membrane Tack-R ST25 S50
2. Self-adhesive bituminous membrane Tack-R SU20 S25
3. EPS 100 thermal insulation
4. KDT 12 polyurethane adhesive
5. Self-adhesive bituminous waterproof membrane Tack-R S ALU S26
6. Priming preparation
7. Steel-concrete ceiling

APPLICATIONS:

- Concrete structures
- Residential buildings, commercial centres
- Objects with recommendations for the installation of waterproof membrane without affecting the supporting structure of the roof

BENEFITS:

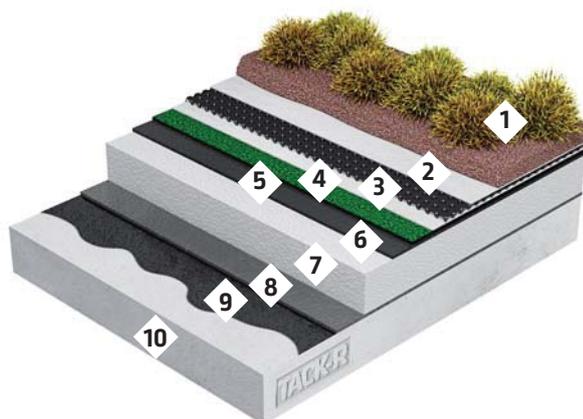
- Total omission of mechanical fixing
- Significant reduction of the need to work with naked flame
- Shortening of the application time

TECHNICAL PARAMETERS:

Product name	SBS-modified	Base material	Assembly	EN PL	Thickness	Length	Pallet quantity
Tack-R ST25 S50	SBS (-25)	Polyester	Self-adhesive	13 707	5,0 mm	5,0 rm	120 m ²
Tack-R SU20 S25	SBS (-20)	Glass fabric	Self-adhesive	13 707	2,5 mm	10,0 rm	240 m ²
Tack-R S ALU S26	SBS (-20)	Veil + Alu	Self-adhesive	13 707	2,6 mm	10,0 rm	240 m ²

Tack-R Green Roofs System

Green Herba and Green Sedum are the modern systems of biologically active roofs that respond to the need for increasing greenery in urban areas. The roof covering is resistant to root ingress and designed to load the roof structure to a small extent.



SYSTEM ELEMENTS:

1. Extensive/ intensive vegetation
2. Green ST Sedum/ Herba substrate
3. Green Filler 100 filtration geotextile
4. Green Drain drainage
5. Torch-on bituminous membrane Tack-R Green S40
6. Self-adhesive bituminous membrane Tack-R Fix20 S27
7. EPS 100 thermal insulation
8. Vapour-proof membrane Tack-R ALU S30
9. Priming preparation
10. Steel-concrete ceiling

APPLICATIONS:

- Steel and concrete structures
- Residential buildings, commercial centres, logistics centres and warehouses

BENEFITS:

- Resistance to root ingress (FLL certificate)
- Ability to apply intensive or extensive plants
- Low load of roof structure (from 120 kg/m² when fully soaked)
- Reduced noise level inside the premises

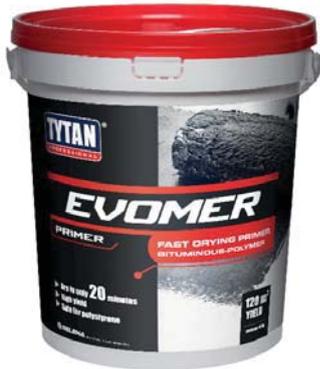
TECHNICAL PARAMETERS:

Product name	SBS-modified	Base material	Assembly	EN PL	Thickness	Length	Pallet quantity
Tack-R Green S40	SBS (-20)	Polyester	Torch-applied	13 707, 13 969	4,0 mm	7,5 rm	150 pcs
Tack-R SU20 S25	SBS (-20)	Glass fabric	Self adhesive	13 707	2,5 mm	10,0 rm	240 m ²
Tack-R S ALU S26	SBS (-20)	Veil + Alu	Self adhesive	13 707	2,6 mm	10,0 rm	240 pcs

Product name	Description	Parameters	Dimensions	Sales unit
GreenDrain	Drainage cumulative mat for systems of green roofs: Green Sedum and Green Herba	Retention – 6 l/m ²	1,9 m x 20 m x 2 cm	Roll
GreenFiller 100	Drainage mat in green roof systems Green Sedum and Green Herba. Designed for road traffic and shared zones	Grammage – 100 g/m ²	2 m x 50 m	Roll
GreenST Herba/ Sedum	Intense substrate intensive for Green Herba/ Green Sedum system	Weight – approx. 1 200 kg/m ³ Consumption – approx. 1,15	90 x 90 x 135	Pcs

Evomer Fast Primer Fast Drying Bitumen-Polymer Primer

Evomer Fast Primer is an innovative bitumen-polymer fast drying solution dedicated for preparing the roof surface before installation of roofing and waterproofing materials. Due to polymerization technology, the primer has a perfect adhesion and ensures full surface stability. Evomer Fast Primer does not contain any organic solvents, so it is non-flammable and safe for both polystyrene and the environment.



APPLICATIONS:

- Preparation of mineral, bitumen, wooden and steel surfaces prior to the installation of waterproof membranes

BENEFITS:

- Drying time within 20 min only
- High yield
- Safe (non-flammable, no solvents)

TECHNICAL PARAMETERS:

- Consistency: liquid, homogeneous, without inclusions
- Drying temperature at +23°C/ 50% RH on concrete: 20 min
- Drying temperature +5°C/ 50% RH on concrete: 60 min
- Drying temperature +23°C/ 50% RH on non-absorbing surfaces (steel, roof felt): 30 min
- Application temperature: +5°C to +35°C
- Elasticity at low temperature (cold bending): -20°C
- Vertical flow resistance at increased temperature: +90°C

Product name	Content	Packaging	Pieces per pallet
Evomer Fast Primer	9 kg	Bucket	44
	18 kg	Bucket	27

Evomer Fast Coating Fast Drying Bitumen-Polymer Coating

Evomer Fast Coating is an innovative fast drying bituminous-polymer solution for covering roof or foundation surfaces. Creates seamless, waterproof and elastic layer with increased UV resistance.



APPLICATIONS:

- Refurbishment of bituminous coverings
- Light waterproofing on horizontal and vertical surfaces

BENEFITS:

- Dry in only 2 h*
- UV-resistance up to 5 years**
- High quality coating

TECHNICAL PARAMETERS:

- Consistency: dense, liquid homogenous, without inclusions
- Consumption: on average 0,35 kg/ layer
- Drying time at temperature +20°C/ 50% RH: 2 h
- Output from 18 kg pail: 50 m²
- Output of 9 kg bucket: 25 m²
- Application temperature: +5°C to +35°C
- Elasticity at low temperatures (cold bending): -20°C
- Vertical flow resistance at increased temperature: +90°C
- *Durability: 5 years basing on ageing tests conducted under typical weather conditions

* At the temperature +20°C and 50% relative air humidity.

** Basing on ageing tests conducted for typical climate conditions, the real resistance may vary.

Product name	Content	Packaging	Pieces per pallet
Evomer Fast Coating	9 kg	Bucket	44
	18 kg	Bucket	27

Evomer Fast Filler Fast Drying Bitumen-Polymer Roofing Filler

Evomer Fast Filler is a dense bitumen-polymer mastic. Created to fill damages and cracks in roof coverings. Can be also used for bonding of polystyrene boards.



APPLICATIONS:

- Filling in damages and cracks
- Spot repairs and sealing
- Fixing polystyrene boards

BENEFITS:

- Rain resistance in only 2 h
- Permanently elastic
- Safe (no solvents)

TECHNICAL PARAMETERS:

- Consistency: dense, homogeneous
- Density: 1,15–1,25 g/ml
- Consumption: 1,2 kg/m² at thickness 1 mm
- Application temperature: +5°C to +35°C
- Drying time: 2 mm per 24 h
- Rain resistance (+23°C/50% RH): after 2 h
- Elasticity at low temperatures (cold bending): -20°C
- Vertical flow resistance at increased temperature: +90°C
- Crack bridging: up to 2 mm

Product name	Content	Packaging	Pieces per pallet
Evomer Fast Filler	1 kg	Plastic bucket	324
	5 kg	Plastic bucket	76

Fast renovation of flat roof

Roof coatings are particularly sensitive parts of buildings which are often exposed to the risk of leakage. When leakages occur, they should be fixed within shortest possible time to avoid further damage to the building's interior.

Time is a key element here for both the investor and the contractor.

EVOMER – is the new generation of polymer-bituminous compounds developed to ensure the shortest possible time of repairs. Evomer is solvent-free, which makes it safe in usage but also considerably shortens the drying time of each coat.

Thanks to this the renovation of roof cover takes only 3 days.

The EVOMER system contains primer, putty for filling cracks and voids, and Evomer top coating.

Evomer strengths:

- Safe for thermal insulation
- Easy application
- Non-flammable, solvent-free



Abizol R

Bitumen Primer

Abizol R is a bitumen compound slightly modified with synthetic rubber with special additives that allow use on slightly moist substrates.

APPLICATIONS:

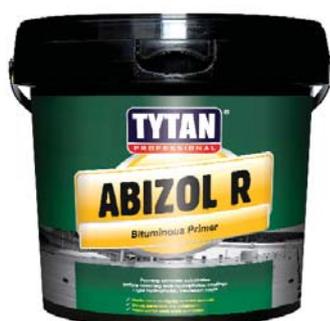
- Priming concrete substrates (e.g. foundations) before covering with hydrophobic coatings
- Priming under torch-applied roof membranes

BENEFITS:

- Works even on slightly moisten surfaces
- Strongly bonds the substrate
- Resistant for weak acids and bases

TECHNICAL PARAMETERS:

- Consistency: liquid
- Colour: black
- Application temperature: +5°C to +35°C
- Initial drying time: 6 h
- Curing time: 12 h
- Consumption: 0,2-0,3 kg/m² for 1 layer
- Number of layers: 2-3



* Technical data and applying instruction are given for the temperature +23°C ± 2°C and humidity ca 60%. Lower temperature and higher humidity can make the curing time longer.

Product name	Content	Packaging	Pieces per pallet
Abizol R Bitumen Primer	9 kg	Bucket/ metal bucket	44/ 44
	18 kg	Bucket/ metal bucket	27/ 33

Abizol H/RDR

Deep Penetrating Primer

Abizol H/RDR is a deep-penetrating, solvent, bituminous primer for priming substrates to form a contact layer for bituminous waterproofing.

APPLICATIONS:

- Priming concrete substrates
- Before covering with hydrophobic coatings
- Prime under torch-applied roof membranes

BENEFITS:

- Short drying time
- Works even on slightly moisten surfaces
- Deeply penetrates the substrate
- Resistant for weak acids and bases

TECHNICAL PARAMETERS:

- Consistency: liquid
- Colour: black
- Application temperature: +5°C to +35°C
- Curing time: 3 h
- Consumption: 0,2-0,3 kg/m² for 1 layer
- Number of layers: 1



* Technical data and applying instruction are given for the temperature +23°C ± 2°C and humidity ca 60%. Lower temperature and higher humidity can make the curing time longer.

Product name	Content	Packaging	Pieces per pallet
Abizol H/RDR	4,5 kg	Metal bucket	96
	9 kg	Metal can	65
	18 kg	Metal bucket	33

Abizol P/S

Universal Waterproofing Compound

Cold-applicable bituminous compound modified with synthetic rubber and resins designed for jointless hydrophobic insulation (according to the norm EN 1928:2000) of roof coverings.

APPLICATIONS:

- Hydrophobic insulation coats made on bitumen roofs
- Preserving and renovation of bitumen coverings

BENEFITS:

- Create durable and resistant layer up to -20°C
- It can be used on slightly moisten surfaces
- Strongly bound to the substrate

TECHNICAL PARAMETERS:

- Consistency: half-liquid substance
- Colour: black
- Application temperature: +5°C to +35°C
- Initial drying time: 6 h
- Curing time: 12 h
- Consumption: 0,5–0,7 kg/m² for 1 layer
- Number of layers: 2–3 depending on application



* Technical data and applying instruction are given for the temperature +23°C ± 2°C and humidity ca 60%. Lower temperature and higher humidity can make the curing time longer.

Product name	Content	Packaging	Pieces per pallet
Abizol P/S	9 kg	Bucket/ metal bucket	48/ 44
	18 kg	Bucket/ metal bucket	27/ 33

Abizol G

Bitumen Rubber Mastic

Abizol G Bitumen Rubber Mastic is a plastoelastic, dense bitumen mastic modified with synthetic rubber and reinforced with fibres. It is used for repairing bitumen rolls, old roof coverings, local sealing of anti-moisture coatings.

APPLICATIONS:

- Filling and repairing scratches, cracks and joints in old roof coverings
- Sealing the connections between metal, concrete and bitumen rolls

BENEFITS:

- Bonding roof felts while repairing
- Contains reinforcing fibers
- Works even on slightly moisten surfaces

TECHNICAL PARAMETERS:

- Consistency: dense thixotropic substance
- Colour: black
- Layer thickness:
 - repairs: 2–5 mm
 - jointless membranes: 2–3 mm
- Application temperature: +5°C to +35°C
- Initial drying time: 3–4 h
- Curing time: 3–4 days
- Consumption: ca 1,2 kg/m² for 1 mm of layer thickness
- Number of layers:
 - hydrophobic membranes: 2–3
 - sealing: Depending on needs



* Technical data and applying instruction are given for the temperature +23°C ± 2°C and humidity ca 60%. Lower temperature and higher humidity can make the curing time longer.

Product name	Content	Packaging	Pieces per pallet
Abizol G	1 kg	Bucket/ metal bucket	324/ 378
	5 kg	Bucket/ metal bucket	80/ 96

Abizol KL-DM Cold Applied Adhesive for Bitumen Rolls

Abizol KL DM is designated for cold bonding of bitumen rolls and for medium type of waterproof insulations, even on slightly moist surfaces. It creates membranes strongly bonded to the substrate and resistant to water.



APPLICATIONS:

- Bonding the bitumen rolls to various substrates
- Bonding mineral wool in flat roof systems
- Creating medium type waterproof coating

BENEFITS:

- Very good initial tack
- Excellent bonding properties
- Very good crack bridging up to 2 mm

TECHNICAL PARAMETERS:

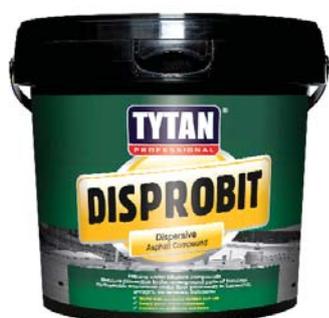
- Consistency: dense thixotropic substance
- Colour: dark brown
- Application temperature: +5°C to +35°C
- Layer thickness: up to 2 mm
- Drying time: 3–5 days
- Consumption:
 - punctually gluing: ca 1 kg/m²
 - hydrophobic insulation: 1,2 kg/m² for 1 mm of thickness
 - number of layers: min 2

* Technical data and applying instruction are given for the temperature +23°C ± 2°C and humidity ca 60%. Lower temperature and higher humidity can make the curing time longer.

Product name	Content	Packaging	Pieces per pallet
Abizol KL-DM	9 kg	Bucket/ metal bucket	44/ 44
	18 kg	Bucket/ metal bucket	27/ 33

Disprobit Dispersive Asphalt Compound

Disprobit is a dispersive asphalt compound modified with synthetic rubber. The coating creates a light waterproofing layer.



APPLICATIONS:

- Renovation and maintenance of roof coverings made of roof felt
- Can be used as primer under bitumen compounds (1:2 water based compounds)

BENEFITS:

- Works on dry and moisten surfaces
- Does not contain solvents

TECHNICAL PARAMETERS:

- Consistency: thixotropic substance
- Colour: dark brown/ black
- Application temperature: +5°C to +30°C
- Priming:
 - dilution with water: 1:2
 - consumption: 0,2–0,3 kg/m²
- Insulation:
 - curing time for 1 layer: 6 h
 - consumption: 0,8–1,2 kg/m² for 1 layer
 - number of layers: 2–4 depending on application
 - tools cleaning: water, once cured organic solvent

Product name	Content	Packaging	Pieces per pallet
Disprobit	5 kg	Bucket	80
	10 kg	Bucket/ metal bucket	44/ 44
	20 kg	Bucket/ metal bucket	27/ 33

Alubit Reflex Protective Roof Coating

Alubit Reflex is a silver colored, protective coating used for maintenance and preservation of bitumen and metal surfaces on both flat and slope roofs. It provides additional protection and prevents the development of corrosion of metal roof coverings and flashings.



APPLICATIONS:

- Protecting roof coverings against aging and corrosion resulting from UV and weather
- Flat and slope roofs made of bituminous materials, steel, concrete and ceramic tiles and wood

BENEFITS:

- Creates silver, reflective layer
- Prolongs durability of roof covering for 5 years
- Protects and prevents the development of rust

TECHNICAL PARAMETERS:

- Consistency: liquid
- Colour: silver
- Application temperature: +5°C to +30°C
- Curing time: 4 h
- Consumption: 0,15–0,20 kg/m²
- Number of layers: 1

* Technical data and applying instruction are given for the temperature +23°C ± 2°C and humidity ca 60%. Lower temperature and higher humidity can make the curing time longer.

Product name	Content	Packaging	Pieces per pallet
Alubit Reflex	5 kg	Metal can	96

Tack-R Flashing Polymer-Bitumen Resin

Tack-R Flashing is a ready for use, moisture resistant, cold-applied, UV-resistant polymer-bitumen resin. It is suitable for sealing and repair of roof flashing, including corner overlaps, roof parapets and firewalls.



APPLICATIONS:

- Preparing the flashings of flat roofs
- Roof materials: bitumen membrane, aluminum, galvanised and stainless steel, concrete, hard PVC and EPDM

BENEFITS:

- Easy and fast finishing of roof flashings
- Perfect adhesion to different roofing materials

TECHNICAL PARAMETERS:

- Colour: black
- Consistency: semi-fluid paste
- Density: 1,30–1,32 g/ml
- Skin-over time: 40–70 min
- Temperature resistance: -36°C to +80°C
- Elongation at rupture (T = +23°C): 150–170%
- Hardness Shore A: 30–32

Product name	Content	Packaging
Tack-R Flashing	1 kg	Metal can
	5 kg	Metal can

Aqua Protect MS Elastic Coating & Sealant

Ready-to-use elastic coating based on MS technology, curing at ambient temperature with exposure to air humidity, destined for waterproofing and repairing of roofs.



APPLICATIONS:

- Waterproofing and protection of: flat and sloped roofs, gutters, terraces, connections on chimneys, skylights and ventilation outlets
- Applicable on:
 - most common materials used for building and insulating purposes
 - metals in general (copper, zinc, aluminium, stainless steel, etc.)
 - thermal insulation (polyurethane, polystyrene)
 - wood (agglomerated wood, plywood)
- Especially indicated for the repairing of leaks, connections between roofs, as well as joints between channellings and conducted works

TECHNICAL PARAMETERS:

- Appearance: thick liquid
- Efficiency: 1,5–3 kg/m²
- Drying time: 24 h/ 2 mm
- Elongation at break (ISO 37): 400%
- Application temperature: +5°C to +50°C
- Temperature resistance in operation: -40°C to +90°C

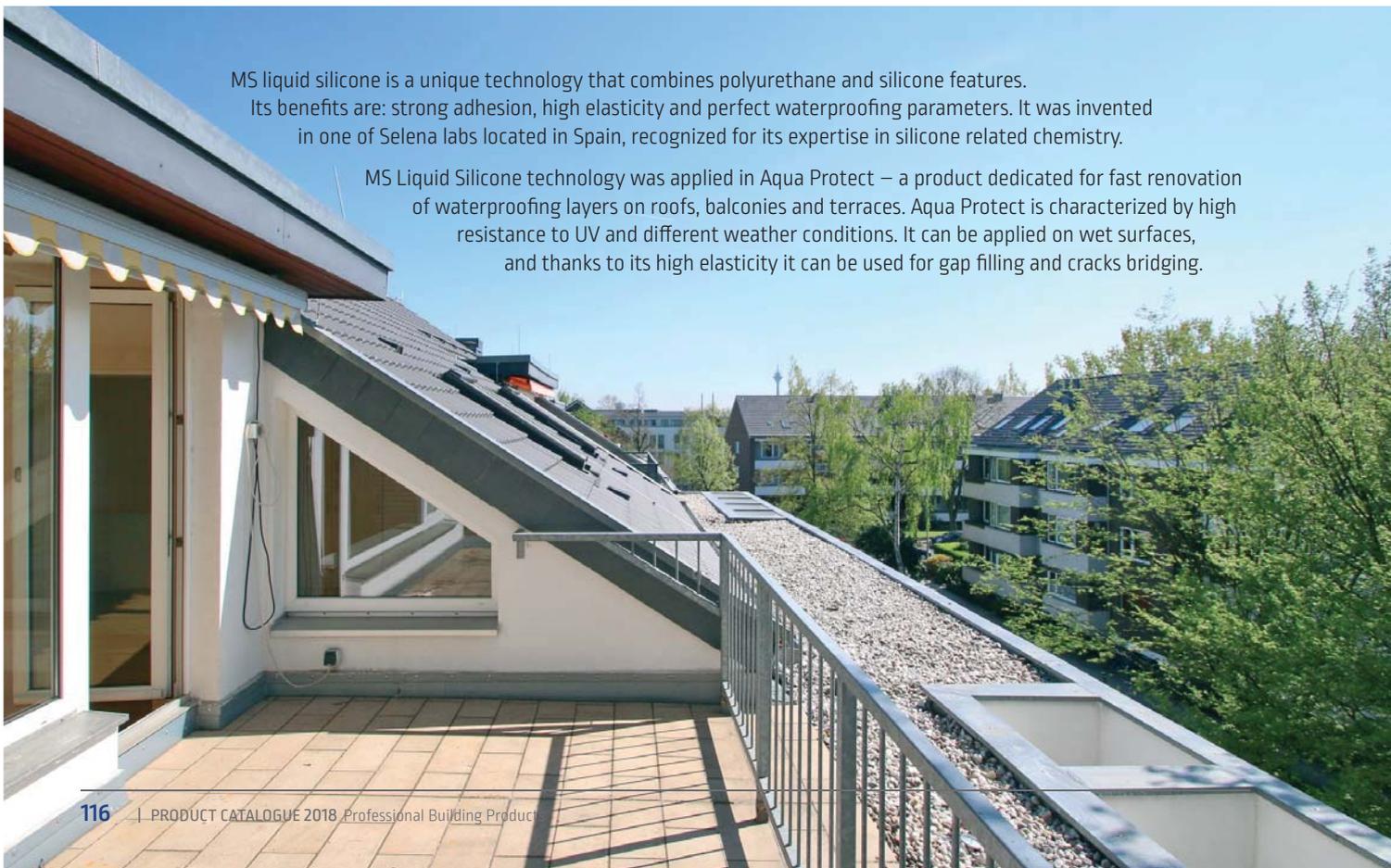
BENEFITS:

- No shrinkage (no water or solvents)
- Great elasticity
- Waterproof even in areas of stagnant water

Product name	Content	Packaging	Pieces per pallet
Aqua Protect	1 kg	Bucket	396
	5 kg	Bucket	192
	25 kg	Bucket	16

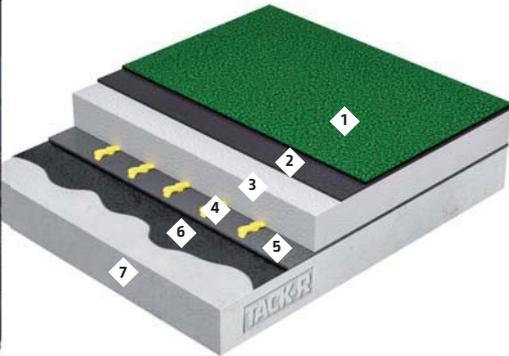
MS liquid silicone is a unique technology that combines polyurethane and silicone features. Its benefits are: strong adhesion, high elasticity and perfect waterproofing parameters. It was invented in one of Selena labs located in Spain, recognized for its expertise in silicone related chemistry.

MS Liquid Silicone technology was applied in Aqua Protect – a product dedicated for fast renovation of waterproofing layers on roofs, balconies and terraces. Aqua Protect is characterized by high resistance to UV and different weather conditions. It can be applied on wet surfaces, and thanks to its high elasticity it can be used for gap filling and cracks bridging.



KDT 12

Foam Adhesive for Thermal Insulation



KDT 12 is dedicated for mounting thermal insulation boards on flat roofs, both new and renovated. It ensures perfect adhesion to typical construction materials and increased wind resistance.

APPLICATIONS:

- Mounting insulation boards on flat roofs
- It is suitable for polystyrene boards, XPS, mineral wool

BENEFITS:

- Wind resistant formula
- High yield
- Fast initial curing time (1 h)
- Application below 0°C
- Perfect adhesion to typical construction materials
- Easy application

TECHNICAL PARAMETERS:

- Yield: 13 m²
- Application temperature: -5°C to +35°C
- Can temperature: +5°C to +35°C (optimum +20°C)
- Open time: ≤ 10 min
- Correction time: < 15 min
- Anchoring time: ≥ 2 h
- Heat conductivity factor: > 0,036 W/mK

SYSTEM ELEMENTS:

1. Self-adhesive bituminous membrane Tack-R ST25 S50
2. Self-adhesive bituminous membrane Tack-R SU20 S25
3. EPS 100 thermal insulation
4. KDT 12 polyurethane adhesive
5. Self-adhesive bituminous waterproof membrane Tack-R S ALU S26
6. Priming preparation
7. Steel-concrete ceiling

Product name	Content	Packaging	Pieces per box	Pieces per pallet
KDT 12	750 ml	Can	12	624

Bonding thermal insulation on the roofs

Installing the thermal insulation boards on the roofs can be a time consuming job. Traditionally it is done with the use of mechanical fixings which involves additional equipment and additional people on the job site.

To change this Selena introduced KDT 12 Roofing Foam Adhesive that easily replaces the mechanical fixings in installing the thermal insulation boards. KDT 12 not only speeds up the working time but also makes it easier and lighter.



SLOPING ROOFS

- 124 Rubber Roof Sealant
- 124 Bitumen Roof Sealant
- 125 Silver Metal Roof Sealant
- 125 X-Treme Fiber Roof Sealant
- 126 Specialized Roof Sealant
- 126 Water Stop
- 127 Roof Adhesive
- 127 Roof Gun Foam Adhesive
- 128 Chimney Tape
- 128 Roof Ridge Tape GEO
- 129 Roof Ridge Tape MAT
- 129 Roofing Sealing Tape
- 130 Tytan 100 Breathable Roof Membrane
- 130 Tytan 120 Breathable Roof Membrane
- 131 Tytan 130 Breathable Roof Membrane
- 131 Tytan 145 Breathable Roof Membrane
- 131 Tytan 160 Breathable Roof Membrane
- 132 Matizol SBS Bitumen Ridge Shingles
- 132 Matizol SBS Bitumen Shingles
- 133 Bitumen Shingle Adhesive
- 133 3W Bitumen Shingle Underlay
- 134 Bitumen Cleaner
- 134 Flexi Gum

Flat Roofs 101



SLOPING ROOFS

The main function of the roof is protection against precipitation

That is why the key parameter of any roof is its tightness. Properly sealed roof panels protect the roof structure and the whole building against moisture which is the main cause of the following undesirable effects:

- dampness of thermal insulation which affects its insulating capacity
- deformation of roof trusses
- growth of moulds and fungi

The sloping roof due to its complex, multi-element structure is particularly sensitive to leakage. This is why it is crucial to render proper sealing of all the elements which stand out over the roof surface or which break the continuity of roof tiles (for example, chimneys, roof windows, etc.). Moreover, it is key for roof tightness to seal all the joints made of different materials or different roof elements (such as eaves, corners, roof valleys or dormer windows).

Chimney flashing

Chimney stacks break the continuity of all the layers of roof covers. The chimney flashing is applied as weatherproofing to prevent rain water from penetrating under the roof cover. Traditional solution is the metal sheet flashing. However, it is a multi-stage, time-consuming and complex procedure. A chimney sealing tape can be applied instead. It forms a tight flange connecting the chimney surface with the roof cover. It does not require cutting in of the chimney stack which makes the process of treatment shorter. The sealing strips are more flexible and put smaller load on the roof structure.



Joining materials on the roof

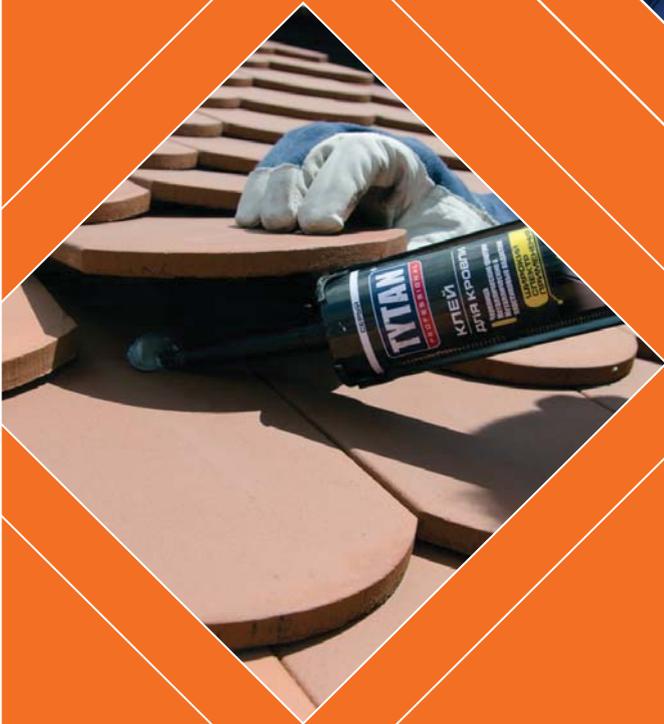
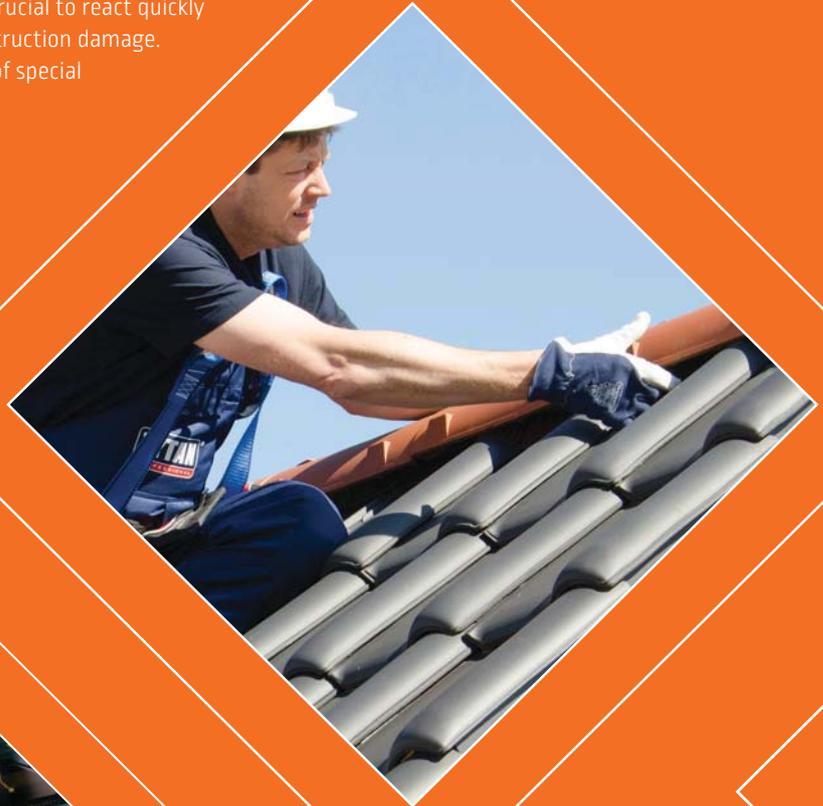
Regardless of the kind of roof cover (ceramic tile, sheet metal tile, cement tile, or bituminous shingle), a large percentage of roofing treatments are made of sheet metal which, eventually, has to be made waterproof. It is essential that the sealing materials that we choose are adequate for joining different types of materials while preserving the highest possible technical standards, such as the following:

- strong adhesion to substrate
- the UV resistance, corrosion and wear resistance
- the range of temperature resistance
- elasticity
- curing time
- runoff resistance at high temperature

The sealing of leakage

With the passage of time, even the most carefully made roof covers are exposed to leakage. When it happens, it is crucial to react quickly and effectively in order to prevent further construction damage. Emergencies like these require the application of special materials which can be:

- applied on wet substrates
- applied on water stagnations
- applied at below zero temperature



In addition to sealing properties, another crucial parameter of the roof cover is ventilation

Moisture can appear inside buildings not only from the outside but also as a result of the normal functioning inside buildings, such as washing, cooking, bathing, drying laundry or breathing. In the case of leaky vapour insulation inside the attic, the moisture accumulates in the insulation layer and this leads to the higher heat transfer ratio due to the lower insulation capacity of the material and this, in turn, leads to the chilling of the attic and higher heating costs, and in extreme cases, to the growth of mould and fungi.

Roof cover ventilation

Ventilated roofs are laid in such a way that there is a ventilation gap left between the formwork boarding or the initial coverage membrane and the insulation layer. Thanks to that, the air flows in through an open bottom eave and escapes through a ridge. If the ventilation gap is unobstructed along its entire length, the flow of air dries away all the excess moisture accumulated in the thermal insulation and in the roof structure.

In order to achieve effective ventilation, proper materials must be used which allow the excess of moisture in thermal insulation to wick away. This is why, initial-coverage membranes of high vapour permeability are used which allow the thermal insulation to breathe and prevent the excess moisture from accumulating. Thanks to the application of breathable membranes with low vapour diffusion resistance, the moisture accumulating under the membrane is transferred into the atmosphere by the air current flowing under the roof cover from the eave to the ridge.



A ridge is the crucial element in the process of ventilation of the roof cover. In order to ensure its proper progress, we use special, highly vapour-permeable ridge tapes. They protect the inside of the roof cover against dust, nesting birds and precipitation and, at the same time, transfer damp air outside.

Rubber

Roof Sealant

Flexible rubber sealant for roof sealing and repairs. Highly resistant to weather conditions. It has an excellent adherence to common construction substrates, including bituminous ones.



APPLICATIONS:

- Finishing of roof flashings: chimneys, eaves, gutters, roof windows
- Sealing roof details and connections between different roofing materials
- Repairing leaks in roof coverings
- Sealing elements of roof construction (drainage, ventilation, air-conditioning or flue gas ducts)

BENEFITS:

- Can be used on damp and smooth substrates
- Paintable
- Strong resistance to ageing
- Creates durable, easy-fitting and flexible joint

TECHNICAL PARAMETERS:

- Consistency: viscous paste
- Tooling: 3–15 min
- Curing time: 1–2 mm/ 24 h
- Elasticity (elongation at break): ISO 37 450%
- Tensile strength: ISO 37 0,70 MPa
- Shore a hardness: ISO 868 16
- Application temperature: +5°C to +40°C
- Temperature resistance: -20°C to +90°C

* Tested at +23°C and 50% relative humidity.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Rubber Roof Sealant	310 ml	Cartridge	12	1 440

Bitumen

Roof Sealant

Permanently flexible roofing sealant with a bituminous and rubber base, recommended for repair and insulation of different roof coverings, including membranes, bituminous shingles and asphalt roofing. Do not use in contact with tar or for tar membranes.



APPLICATIONS:

- Finishing of roof flashings: chimneys, eaves, gutters, roof windows
- Sealing roof details and connections between different roofing materials
- Bonding membrane coatings and fixing membrane to concrete
- Repairing leaks in roof coverings
- Sealing elements of roof construction (drainage, ventilation, air-conditioning or flue gas ducts)

BENEFITS:

- Can be used on dry and damp substrates
- Resistant to moisture and changing weather conditions

TECHNICAL PARAMETERS:

- Consistency: viscous paste
- Tooling time: 8–30 min
- Curing time: 1–1,5 mm/ 24 h
- Slump resistance +50°C: ISO 7390 > 5 mm
- Slump resistance +70°C: ISO 7390 > 20 mm
- Application temperature: +10°C to +35°C
- Temperature resistance: -50°C to +90°C

* Tested at +23°C and 50% relative humidity.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Bitumen Roof Sealant	310 ml	Cartridge	12	1 440

Silver

Metal Roof Sealant



Permanently flexible bituminous roofing sealant with the addition of aluminum pigments that creates a silver coat. Do not use in contact with tar or for tar membranes.

APPLICATIONS:

- Finishing of roof flashings: chimneys, eaves, gutters, roof windows
- Sealing roof details and connections made of metal sheets and other materials
- Repairing leaks in roof coverings
- Sealing elements of roof construction (drainage, ventilation, air-conditioning or flue gas ducts)

TECHNICAL PARAMETERS:

- Consistency: viscous paste
- Tooling time: 15–30 min
- Curing time: 2–3 mm/ 24 h
- Slump resistance +50°C: ISO 7390 > 40 mm
- Application temperature: +10°C to +35°C
- Temperature resistance: -50°C to +90°C

BENEFITS:

- Increased resistance to UV radiation and ageing
- Can be used on dry and damp substrates
- Resistant to moisture and changing weather conditions
- Contains no asbestos fibers

* Tested at +23°C and 50% relative humidity.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Silver Metal Roof Sealant	310 ml	Cartridge	12	1440

X-Treme

Fiber Roof Sealant



X-treme Fiber Sealant is an instant repair mass, based on a new generation of synthetic rubber, strengthened with polymer fibers.

APPLICATIONS:

- For permanent or emergency repairs of all types of roofing
- Repair and sealing of cracks in gutters (galvanized sheet, coated sheet, copper, PVC)
- Sealing ventilation outlets and chimneys

TECHNICAL PARAMETERS:

- Consistency: sticky paste
- Tooling time: 2–10 min
- Curing time: 1–1,5 mm/ 24 h
- Elasticity (elongation at break): ISO 37 110%
- Tensile strength: ISO 37 0,75 MPa
- Hardness of shore: ISO 868 20
- Application temperature: -10°C to +40°C
- Temperature resistance: -20°C to +90°C
- Temperature range in service: 0°C to +25°C*

BENEFITS:

- Sealing in standing water
- Can be used during snow and rain
- Durable and flexible coating
- Good adhesion to porous and nonporous surfaces

* Tested at +23°C and 50% relative humidity.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
X-Treme Fiber Roof Sealant	310 ml	Cartridge	12	1440
	1 kg	Metal can	5	628

Specialized

Roof Sealant

Specialized Roof Sealant creates a plastic joint characterized by high resistance to aging. The product is compatible with all Tytan Professional roofing membranes.



APPLICATIONS:

- Finishing of roof flashings: chimneys, eaves, gutters, roof windows
- Sealing of the corrugated and trapezoidal metal sheets
- Bonding roofing foils, roofing membranes and cold bitumen membranes
- For permanent or emergency repairs of all types of roofing
- Sealing elements of roof construction (drainage, ventilation, air-conditioning or flue gas ducts)

TECHNICAL PARAMETERS:

- Consistency: viscous paste
- Tooling time: 5–10 min
- Curing time: 1 mm/ 24 h
- Slump resistance in +50°C: ISO 7390 > 2 mm
- Shore a hardness ISO 868 35 40
- Application temperature: -10°C to +30°C
- Temperature resistance: -20°C to +90°C
- Temperature range in service: 0°C to +25°C

BENEFITS:

- Excellent adhesion to different surfaces including bitumen, clinker and steel
- Slump resistant up to +70°C
- Good adhesion to wet surfaces – can be applied even under water
- Mold resistant and antibacterial

* Tested at +23°C and 50% relative humidity.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Specialized Roof Sealant	280 ml	Cartridge	12	1 440
	310 ml	Cartridge	12	1 440

Water Stop

Plastic Bitumen Sealing

Water Stop is a one component plastic bitumen recommended for emergency and temporary repairs to prevent water leaking. Water Stop creates an efficient waterproof barrier and prepares the substrate for subsequent renovation works.



APPLICATIONS:

- Emergency repairs to prevent water leakage
- Filling cracks and scratches in roofs

BENEFITS:

- Can be applied on moist surfaces
- Excellent adhesion to most roofing materials
- Reinforced with glass fibers
- 100% waterproof
- Resistant to changing weather conditions
- Asbestos free

TECHNICAL PARAMETERS:

- Consistency: semi-solid paste
- Colour: black
- Tooling time: 20–40 min
- Application temperature: +10°C to +35°C
- Temperature resistance: -50°C to +90°C
- Temperature range in service: +5°C to +20°C

* Tested at +23°C and 50% relative humidity.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Water Stop	1 kg	Metal can	6	528
	5 kg	Metal can	1	144

Roof Adhesive

One-component hybrid-based adhesive, designed specifically for roofing applications. Characterized by excellent adhesion to roofing materials such as lacquered and galvanized steel or ceramic roof-tiles.



APPLICATIONS:

- Bonding gutter elements made of copper, galvanized steel and PVC
- Bonding raw, galvanized, coated and titanium zinc steel
- Bonding ceramic, concrete, metal roof tiles
- Bonding roofing brass and ceramic roof tiles to various surfaces, such as metal, brick, concrete or wood
- Sealing dilatations and joints in roofing works

TECHNICAL PARAMETERS:

- Curing rate: 2–3 mm/ 24 h
- Tooling time: 10–20 min
- Productivity: 200–350 g/m²
- Application temperature: +5°C to +30°C
- Temperature resistance: -30°C to +90°C

BENEFITS:

- Resistant to extreme climate conditions and to most chemicals
- Does not damage sensitive surfaces
- Highly elastic
- Applicable on dry and moist surfaces
- Solvent-free, silicone-free and isocyanines-free

* Tested at +23°C and 50% relative humidity.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Roof Adhesive	290 ml	Cartridge	12	1440

Roof

Gun Foam Adhesive

A polyurethane foam adhesive designed especially for mounting and sealing of roof coverings made of tiles, tinware and other materials.



APPLICATIONS:

- Roof tiles installation and repairs
- Thermal insulation of roof coverings – filling gaps under the roof covering
- Reduction of thermal bridges in roof structures, e.g. at the junction between the wall plate and the gable wall

TECHNICAL PARAMETERS:

- Colour: brick, grey
- Yield: up to 45 l
- Cutting time: ≤ 60 min
- Ambient temperature: 0°C to +30°C
- Can temperature: +10°C to +30°C
- Shelf life: 18 months

BENEFITS:

- Excellent adhesion to roofing surfaces and typical building materials
- Low expansion
- Resistant to mildew, mold and fungi
- Excellent thermal and acoustic insulation

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Roof Gun Foam Adhesive	750 ml	Can	12	624

Chimney Tape

Aluminum chimney tape, fully coated with butyl adhesive for superior adhesion. It is ideal for weatherproofing roof flashings such as side and top abutments around chimneys and dormers.



APPLICATIONS:

- Roof flashings of chimneys and dormers

BENEFITS:

- 3D profiled surface which enables to easily and closely adjust the tape to required shape
- The backing film is cut in the middle for easy removal
- Butyl adhesive provides an immediate seal
- 2 layers of UV resistant paint

TECHNICAL PARAMETERS:

- Size: 300 mm x 5 m
- Aluminum thickness: 0,12 mm
- Colours:
 - brick (RAL 8004)
 - grey brown (RAL 8019)
 - anthracite (RAL 7021)
 - chestnut brown (RAL 8015)
 - black (RAL 9005)
 - cherry (RAL 3004)

Product name	Dimensions	Pieces per box	Pieces per pallet
Chimney Tape	300 mm x 5 m	1 box = 1 pc	144

Roof Ridge Tape GEO

The Roof Ridge Tape seals the ridge against wind-transported snow and rain, at the same time allowing roof ventilation. It is made of two strips of pleated aluminum sheet and a durable permeable fabric (Geotextile). The back of the aluminum is coated with self-adhesive butyl strips 30 mm wide.



APPLICATIONS:

- Sealing of roof ridge

BENEFITS:

- Robust connection of aluminum and fabric thanks to adhesive and 2 firm polyester yarns
- Waved aluminum allows to adjust the tape shape to the tile
- 2 strips of butyl adhesive

TECHNICAL PARAMETERS:

- Size: 300 mm x 5 m
- Aluminum thickness: 0,12 mm
- Fabric: geotextile, polyester non-woven fabric, surface mass: 120 g/m²
- Colours:
 - Brick (RAL 8004)
 - Grey brown, (RAL 8019)
 - Anthracite (RAL 7021)
 - Chestnut brown (RAL 8015)
 - Black (RAL 9005)
 - Cherry (RAL 3004)

Product name	Dimensions	Pieces per box	Pieces per pallet
Roof Ridge Tape GEO	300 mm x 5 m	1 box = 1 pc	144

Roof Ridge Tape MAT

The Roof Ridge Tape seals the ridge against wind-transported snow and rain, at the same time allowing roof ventilation. It is made of two strips of pleated aluminum sheet and a durable permeable fabric (PPtextile). The back of the aluminum is coated with self-adhesive butyl strips 30 mm wide.



APPLICATIONS:

- Sealing of roof ridge

BENEFITS:

- Robust connection of aluminum and fabric thanks to adhesive and 2 firm polyester yarns.
- Waved aluminum allows to adjust the tape shape to the tile
- 2 strips of butyl adhesive

TECHNICAL PARAMETERS:

- Size: 300 mm x 5 m
- Aluminum thickness: 0,12 mm
- Fabric: polypropylen fabric (polypropylene woven fibers, surface mass: 220 g/m²)
- Colours:
 - brick (RAL 8004)
 - grey brown, (RAL 8019)
 - anthracite (RAL 7021)
 - chestnut brown (RAL 8015)
 - black (RAL 9005)
 - cherry (RAL 3004)

Product name	Dimensions	Pieces per box	Pieces per pallet
Roof Ridge Tape MAT	300 mm x 5 m	1 box = 1 pc	144

Roofing Sealing Tape

Self-adhesive bituminous waterproofing tape protected with aluminum film. Strong adhesive power makes it ideal for sealing, waterproofing and protecting any roof surface.



APPLICATIONS:

- Finishing of roof flashings: chimneys, eaves, gutters, roof windows and skylights
- Sealing roof details and connections between different roofing materials
- Repairing leaks in roof coverings and drainage elements (gutters, metal pipes)
- Sealing elements of roof construction (drainage, ventilation, air-conditioning or flue gas ducts)

BENEFITS:

- Versatile and easy-to-use
- Flexible
- Excellent UV and weather resistance
- Good initial tack and strong seal
- Great adhesion to many materials, e.g. concrete, stone and metals

TECHNICAL PARAMETERS:

- Thickness: 1,5 mm
- Aluminum thickness: 0,04 mm
- Initial tack: immediately
- Final bonding strength: after 24 h
- Tensile strength 4,5 kN/m
- Water penetration: 0,3 gr/m² (24 h/1 bar)
- Application temperature: > +5°C
- Temperature resistance: -30°C to +85°C

Product name	Dimensions	Pieces per box	Pieces per pallet
Roofing Sealing Tape	7,5 cm x 10 m	1 box = 4 pcs	400
	10 cm x 10 m	1 box = 3 pcs	300
	15 cm x 10 m	1 box = 2 pcs	200
	30 cm x 10 m	1 box = 1 pc	100

Tytan 100, 120 Breathable Roof Membrane



Three-layer vapor-permeable roof membrane. Made of two layers of polypropylene nonwoven and special functional film which ensures high vapor permeability and water tightness of the underlay. Owing to its high vapor permeability, it can be applied directly on insulation and consequently a venting slot is not required between the membrane and the thermal insulation.

APPLICATIONS:

- The membrane is designed for use in construction industry as an initial roof covering on pitched roofs

BENEFITS:

- VHighly vapor permeable
- Watertight
- Ageing resistant

TECHNICAL PARAMETERS TYTAN 100:

- Mass per unit area: 100 g/m² (± 10%)
- Tensile strength – longitudinal (MD): 170 N/ 50 mm (± 30%)
- Tensile strength – transverse (CD): 90 N/50 mm (± 30%)
- Elongation – longitudinal (MD): 55% (± 40%)
- Elongation – transverse (CD): 57% (± 40%)
- Tear resistance – nail shank; longitudinal (MD): 80 N
- Tear resistance – nail shank; transverse (CD): 80 N
- Water vapour transmission (Sd): 0,02 (± 0,015 m)
- Watertightness: W1
- Reaction to fire: class F
- Flexibility at low temperature: -20°C

TECHNICAL PARAMETERS TYTAN 120:

- Mass per unit area: 120 g/m² (± 10%)
- Tensile strength – longitudinal (MD): 190 N/50 mm (± 30%)
- Tensile strength – transverse (CD): 120 N/50 mm (± 30%)
- Elongation – longitudinal (MD): 55% (± 40%)
- Elongation – transverse (CD): 60% (± 40%)
- Tear resistance – nail shank; longitudinal (MD): 100 N
- Tear resistance – nail shank; transverse (CD): 100 N
- Water vapour transmission (Sd): 0,02 (± 0,015 m)
- Watertightness: W1
- Reaction to fire: class E
- Flexibility at low temperature: -20°C

Product name	Dimensions	Pieces per pallet
Tytan 100	1,5 m x 50 m	50
Tytan 120	1,5 m x 50 m	50

Membranes

The universal measure of vapour permeability is the Sd coefficient which is an aerial equivalent of diffusional resistance. It defines the thickness of the air layer which resists the vapour at the same extent as a given material.

Sd = 0,02–0,1 m – high vapour permeability membranes

Sd = 1,0–3,0 m – low vapour permeability membranes

Sd = 100 m + – vapour resistant membranes

The parameters of roofing foils and membranes:

1. Vapour permeability which defines capacity for vapour penetration through the material.
2. Weight – defines membrane thickness.
3. Resistance to penetration by water – membranes should be completely waterproof.
4. Mechanical properties – mainly tear strength which is a vital factor during installation.
5. Temperature range for the application of a given material – it defines its durability and quality of materials over time.

Tytan 130, 145, 160 Breathable Roof Membrane



Three-layer vapor-permeable roof membrane. Made of two layers of polypropylene nonwoven and special functional polyethylene film which ensures high vapor permeability and water tightness of the underlay. Owing to its high vapor permeability, it can be applied directly on insulation and consequently a venting slot is not required between the membrane and the thermal insulation.

APPLICATIONS:

- The membrane is designed for use in construction industry as an initial roof covering on pitched roofs

BENEFITS:

- Highly vapor permeable
- Watertight
- Tear resistant

TECHNICAL PARAMETERS TYTAN 130:

- Mass per unit area: 130 g/m² (± 10%)
- Tensile strength – longitudinal (MD): 220 N/ 50 mm (± 30%)
- Tensile strength – transverse (CD): 140 N/50 mm (± 30%)
- Elongation – longitudinal (MD): 55% (± 40%)
- Elongation – transverse (CD): 57% (± 40%)
- Tear resistance – nail shank; longitudinal (MD): 110 N
- Tear resistance – nail shank; transverse (CD): 110 N
- Water vapour transmission (Sd): 0,02 (± 0,015 m)
- Watertightness: W1
- Reaction to fire: class E
- Flexibility at low temperature: -20°C

TECHNICAL PARAMETERS TYTAN 145:

- Mass per unit area: 145 g/m² (± 10%)
- Tensile strength – longitudinal (MD): 240 N/ 50 mm (± 30%)
- Tensile strength – transverse (CD): 155 N/ 50 mm (± 30%)
- Elongation – longitudinal (MD): 55% (± 40%)
- Elongation – transverse (CD): 62% (± 40%)
- Tear resistance – nail shank; longitudinal (MD): 125 N
- Tear resistance – nail shank; transverse (CD): 120 N
- Water vapour transmission (Sd): 0,02 (± 0,015 m)
- Watertightness: W1
- Reaction to fire: class E
- Flexibility at low temperature: -20°C

TECHNICAL PARAMETERS TYTAN 160:

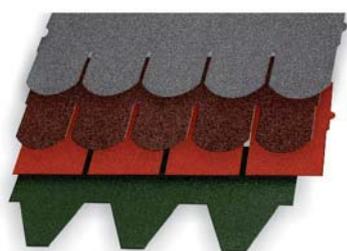
- Mass per unit area: 160 g/m² (± 10%)
- Tensile strength – longitudinal (MD): 270 N/50 mm (± 30%)
- Tensile strength – transverse (CD): 180 N/ 50 mm (± 30%)
- Elongation – longitudinal (MD): 86% (± 40%)
- Elongation – transverse (CD): 92% (± 40%)
- Tear resistance – nail shank; longitudinal (MD): 108N
- Tear resistance – nail shank; transverse (CD): 125 N
- Water vapour transmission (Sd): 0,02 (± 0,015 m)
- Watertightness: W1
- Reaction to fire: class E
- Flexibility at low temperature: -20°C

Product name	Dimension	Pieces per pallet
Tytan 130	1,5 m x 50 m	50
Tytan 145	1,5 m x 50 m	50
Tytan 160	1,5 m x 50 m	40

Matizol SBS

Bitumen Shingles

Bitumen shingles Matizol SBS is a line of roof coverings with increased content of bitum, dedicated for individual, residential and industrial buildings. The structural base of Matizol shingles is a glass-fibre tissue covered on both sides by a bitumen protective layer that is weather and ageing resistant. The entire bottom surface of Matizol shingles is covered with bituminous adhesive for efficient application of shingles to the substrate.



APPLICATIONS:

- Slope roofs with an angle between 12° and 75°
- Both new and renovated coverings

BENEFITS:

- Very good application properties (complete adherence of each layer)
- Long-lasting quality confirmed by 20 years' guarantee
- Flexible even at freezing temperature

TECHNICAL PARAMETERS:

- Content of asphalt: $\geq 1300 \text{ g/m}^2$
- The maximum tensile force N/ 50 mm:
- Direction along the width: ≥ 600
- Direction along the height: ≥ 400
- Nail tearing strength: $\geq 100 \text{ N}$
- Reaction to fire: class E
- External fire: BROOF(t1)
- Flow resistance at +90°C: $\leq 2 \text{ mm}$
- Water absorption: $\leq 2\%$
- Mineral topping adhesion: $\leq 2,5 \text{ g}$

Product name	Type	Dimension	m ² /piece	Pieces per pallet
Matizol SBS	Hexagon	100 x 31 cm	3 m ²	40
	Rectangular	100 x 34 cm	3,2 m ²	40
	Beaver tail	100 x 34 cm	3,85 m ²	36
	Arkadia	100 x 31 cm	3 m ²	40

Matizol SBS

Bitumen Ridge Shingles

A complementary line of ridge shingles was created for capping the ridges and hips of the roof. Bitumen ridge shingles are based on carrier of woven glass and characterized by the same features as bitumen shingles Matizol SBS to fully suit its range.



APPLICATIONS:

- Roof ridges and hips of the roofs

BENEFITS:

- High elasticity
- Durability
- Resistance to biological corrosion

TECHNICAL PARAMETERS:

- Content of asphalt: $\geq 1300 \text{ g/m}^2$
- The maximum tensile force N/ 50 mm:
- Direction along the width: ≥ 600
- Direction along the height: ≥ 400
- Nail tearing strength: $\geq 100 \text{ N}$
- Reaction to fire: class E
- External fire: BROOF(t1)
- Flow resistance at +90°C: $\leq 2 \text{ mm}$
- Water absorption: $\leq 2\%$
- Mineral topping adhesion: $\leq 2,5 \text{ g}$

Bitumen Shingle Adhesive

Shingle Adhesive is one component plastic bitumen adhesive designed especially for bitumen shingles. It enables shingles installation in difficult weather conditions.



APPLICATIONS:

- Bonding bitumen shingles
- Repairing damaged roofing elements
- Sealing cracks in bitumen roof coverings
- Strengthening the installation of roofing flashings

BENEFITS:

- High adhesion to wide range of substrates
- High flexibility and low brittleness at minus temperatures
- Stable and durable joint

TECHNICAL PARAMETERS:

- Consistency: viscous paste
- Tooling time: 8–30 min
- Curing time: 1–1,5 mm/ 24 h
- Slump resistance +50°C ISO 7390: > 5 mm
- Slump resistance +70°C ISO 7390: > 20 mm
- Application temperature: -10°C to +35°C
- Temperature resistance: -50°C to +90°C
- Temperature range in service: +5°C to +25°C

Product name	Content	Pieces per box	Pieces per pallet	Colour
Bitumen Shingle Adhesive	280 ml	12	1 440	Black
	310 ml	12	1 440	Black

3W Bitumen Shingle Underlay



Three-layer insulation material made of polyester fabric with a bitumen and polymer mixture. It is intended as a base layer for discontinuous roof coverings.

APPLICATIONS:

- Base layer used on roofs with the pitch between 12° and 75°

BENEFITS:

- Better mechanical properties
- Resistance to tears and cuts
- Flexibility at freezing temperatures down to -25°C
- Resistance to flow at temperatures of up to +130°C

TECHNICAL PARAMETERS:

- Mass per unit area: 1000 g/m² ± 20%
- Elongation – longitudinal (MD): [500 ± 150] N/ 50 mm
- Elongation – transverse (CD): [350 ± 100] N/ 50 mm
- Tear resistance – nail shank; longitudinal (MD): (150 ± 50) N
- Tear resistance – nail shank; transverse (CD): (150 ± 50) N
- Water tightness: class W 2
- Watertightness: class W 1
- Reaction to fire: class E
- Flexibility at low temperature: ≤ -25°C
- Size: 20,0 m x 1,0 m (± 0,5%)

Product name	Content	Packaging	Pieces per pallet	Pieces per pallet
3W Bitumen Shingle Underlay	20	Roll	20 pcs/ 400 m ²	400

Bitumen Cleaner Fast & Safe Remover



It is a special solvent, based on the latest generation of plant esters, designed to dissolve and remove most of organic and inorganic substances including asphalt based ones, unpolymerized resins and paints.

APPLICATIONS:

- To remove remainings of bitumen, grease, oils, adhesives and tapes

BENEFITS:

- Does not damage the surface
- Deep penetrating
- Ecological, with friendly scent

TECHNICAL PARAMETERS:

- Working temperature: -20°C to +40°C
- Dissolution time: 3,15 min

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Bitumen Cleaner	500 ml	Aerosol can	12	1 008

Flexi Gum Fast Leaks Repair



Flexi Gum is an easy to use, rubberized protective utility coating designed to fill and seal leaks and cracks. It provides a water-tight, flexible seal that prevents moisture penetration and corrosion.

APPLICATIONS:

- To fill and seal leaks and cracks on many types of surfaces: metal and ceramic, aluminum, galvanized metal, PVC, concrete and bituminous materials.

BENEFITS:

- Transparent colour
- Fast drying
- Paintable

TECHNICAL PARAMETERS:

- Appearance: semi smooth
- Colour: transparent
- Drying times:
 - Initial: 20–30 min
 - Full hardness: 24 h
- Application temperature: +10°C to +35°C

* Tested at +20°C and 50% relative humidity.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Flexi Gum	500 ml	Aerosol can	6	870





TERRACES & BALCONIES

Tiling your terrace and balcony with Tytan Tiling System

- Solution for durable and esthetic structure
- High quality adhesives ideal for all types and sizes of tiles, natural stone used on terraces and balconies
- Excellent tightness and waterproofing

Terraces, balconies are ideal place for social meetings and relaxation with family, and also a place which adds character to the building. Balconies and terraces are constantly exposed to the unfavorable weather. Radical temperature fluctuations, snow, rain have a detrimental effect on their structure and lead to the appearance of cracks, efflorescence, chipped grout or tiles. Because of this, all the construction works on balconies and terraces should be carried out with extra care and attention to detail. The application of the Tytan Professional System for balcony and terrace allows to create a beautiful recreation area and at the same time to meet the required strength parameters.



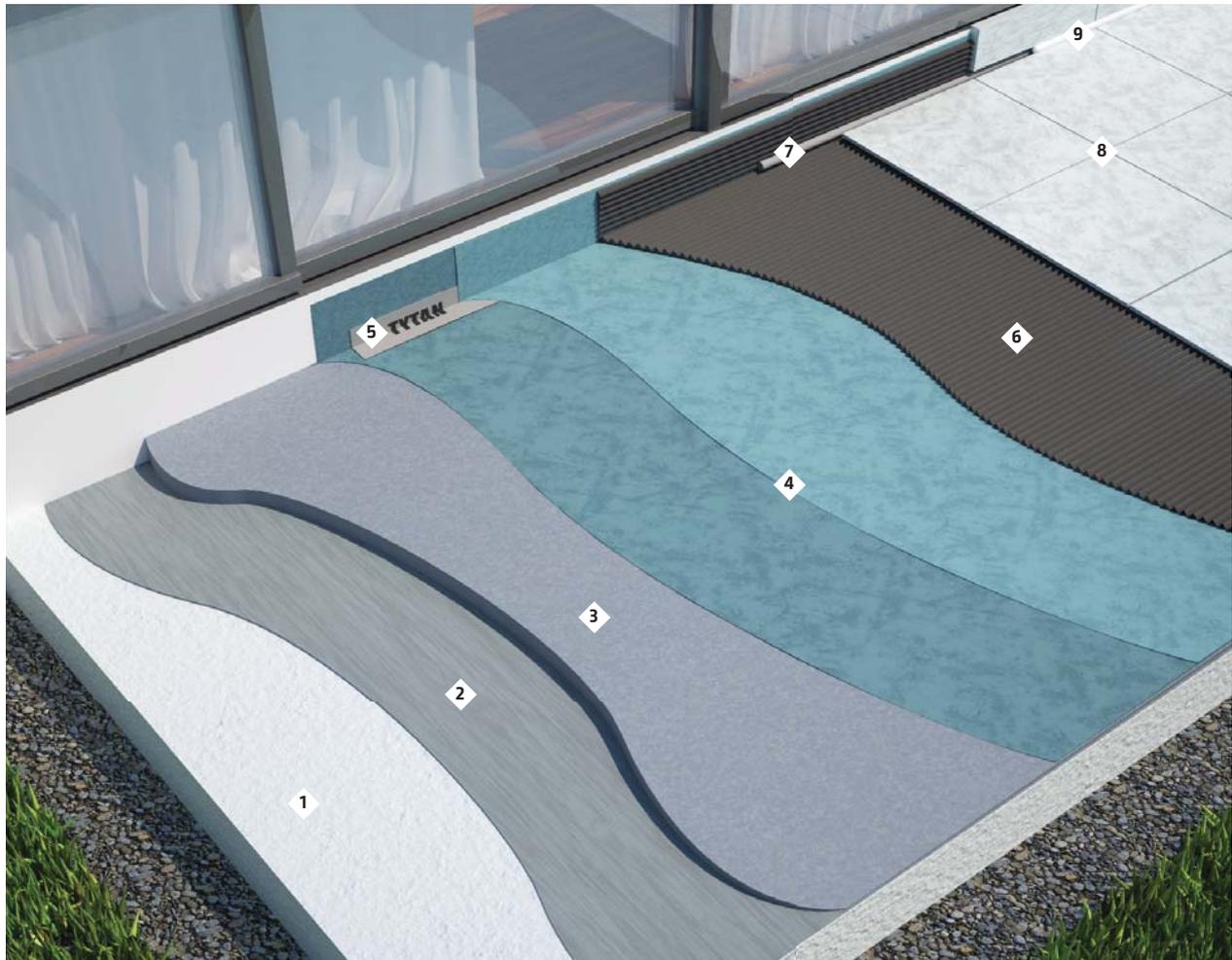


TERRACES & BALCONIES

- 141 Megaflex S1 Hybrid Tile Adhesive
- 141 Superflex S1 High Flexible Tile Adhesive
- 142 Marmurflex S1 White Adhesive with Trass
- 142 Flex Flexible Tile Adhesive
- 143 Express Quick Flexible Adhesive
- 143 GEA746 Wide Tile Grout
- 144 Hydro 1K
- 144 Hydro 2K
- 145 Sealing Tape "TU"
- 145 Tape "TPER"
- 146 Maestra 10-80 Quick-Setting Screed
- 146 GEA 3-30 Quick-Setting Levelling Mortar
- 147 Multigrunt Primer
- 147 Terraces & Balconies Sealant & Adhesive

Tytan Professional Tiling System – Terraces & Balconies

Tytan Professional Tiling System is a comprehensive solution designed for performing tiling operations. It is the outcome of experience and our passion in the field of construction chemicals gained over many years. The combination of these two elements led to the development of a professional range of products meeting the highest European requirements. The users of our systems contribute to the development of our products by sharing with us their experience and expertise. This motivates us to strive for perfection in order to fulfil the expectations of our users. With Tytan Professional Tiling System you can be sure you reach for the most reliable solution.



SYSTEM ELEMENTS:

1. Substrate
2. Multigrunt
 - Concentrated
 - Increases adhesion
 - Strengthens substrate
3. GEA 3-30 Quick-Setting Levelling Mortar
4. Hydro 1K Flexible Sealing Mortar
or Hydro 2K Two-Component Waterproofing Mortar
 - Excellent adhesion, flexibility and easy-to-use
5. Tape
6. Superflex S1 High Flexible Tile Adhesive
 - Large format of tiles XXL
 - Difficult substrates, weather resistant
7. Back Up Rod
8. GEA 746 Wide Tile Grout
9. Terraces & Balconies Sealant & Adhesive
 - Extreme bonding strength
 - Resistant to UV radiation and weather conditions

Megaflex S1

Hybrid Tile Adhesive



Hybrid Adhesive Megaflex S1 is recommended for fixing all types of wall and floor tiles. It is a multi-purpose product with possibility of consistency selection depending on purpose. Hybrid Adhesive Megaflex S1 is recommended for seating heavy XXXL size tiles. It can be used as patching putty up to 15 mm.

APPLICATIONS:

- For heavy XXL size tiles and slim-type of tiles
 - terracotta, clinker, mosaics, terrazzo and cement tiles
 - natural stone tiles (after prior checking of their resistance to discolouration)
- For underfloor heating
- Difficult substrates, including OSB
- For bonding „tile on tile“
- Balconies and terraces, kitchens, bathrooms, swimming-pools, facades
- For internal and external use

BENEFITS:

- For XXXL format of tiles
- For heavy mechanical loads
- For underfloor heating
- Multi-purpose product 4 in 1:
 - thin- and medium-layer spreading adhesive
 - or patching putty
- Very High efficiency

TECHNICAL PARAMETERS:

- Mixing ratio: 5,4–7,0 l of water per 18 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 3 h
- Application temperature: +5°C to +25°C
- Open time: 30 min
- Correction time: 30 min
- Grouting walls/ floors: after 12/ 24 h
- Partial/ full usage: after 2/ 14 days
- Slip: ≤ 0,5 mm
- Approximate consumption for at the thickness of 1 mm: approx. 0,9 kg/m²
- Layer thickness 2–20 mm
- EN 12004 C2 TE S1

Product name	Content	Packaging	Pieces per pallet
Megaflex S1 Hybrid Tile Adhesive TS58	25 kg	Bag	48

Superflex S1

High Flexible Tile Adhesive



Tile Adhesive Superflex S1 is suitable for fixing all types of wall and floor ceramic tiles, glazed, terracotta, mosaics, terrazzo and cement tiles, natural stone tiles (after prior checking of their resistance to discolouration) and stone conglomerates in small and large sizes. It is designed for every typical and demanding substrate, internally or externally.

APPLICATIONS:

- All types of tiles:
 - terracotta, clinker, mosaics, terrazzo and cement tiles
 - natural stone tiles and stone conglomerates
- For typical and demanding substrate, including OSB
- For floors with underfloor heating
- For bonding „tile on tile“
- For internal and external use
- Balconies and terraces
- Kitchens, bathrooms, swimming-pools
- Facades
- Communication passages

BENEFITS:

- For XXL format of tiles
- For difficult substrates
- Floor and wall heating
- Water and frost resistant

TECHNICAL PARAMETERS:

- Mixing ratio: 6,0–6,5 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 3 h
- Application temperature: +5°C to +25°C
- Open time: 30 min
- Correction time: 30 min
- Grouting walls/ floors: after 12/ 24 h
- Partial/ full usage: after 2/ 14 days
- Slip: ≤ 0,5 mm
- Approximate consumption for at the thickness of 1 mm: approx. 1,4 kg/m²
- Layer thickness 2–10 mm
- EN 12004 C2 TE S1

Product name	Content	Packaging	Pieces per pallet
Superflex S1 High Flexible Tile Adhesive TS55	25 kg	Bag	48

Marmurflex S1 White Adhesive with Trass



White Adhesive with Trass Marmurflex S1 is suitable for efficient installation of all types of natural and synthetic marble, natural stone and ceramic floor tiles, terrazzo and cement tiles in all formats. The adhesive is designed for application onto virtually any rigid and demanding (difficult) substrate.

APPLICATIONS:

- Natural and synthetic marble
- Natural stones
- Ceramic floor tiles: glazed, terracotta, clinker, mosaics
- Terrazzo and cement tiles
- For underfloor heating
- For internal and external use

BENEFITS:

- For XXL format of tiles
- White colour – perfect for marble and other natural stones
- Contains trass – reduced discolouration and efflorescence
- For underfloor heating

TECHNICAL PARAMETERS:

- Mixing ratio: 6,5–7,0 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 3 h
- Application temperature: +5°C to +25°C
- Open time (skin formation): 30 min
- Correction time: 30 min
- Grouting walls/ floors: after 12/ 24 h
- Partial/ full usage: after 3/ 14 days
- Slip: ≤ 0,5 mm
- Approximate consumption for at the thickness of 1 mm: approx. 1,4 kg/m²
- Layer thickness 2–20 mm
- EN 12004 C2 TE S1

Product name	Content	Packaging	Pieces per pallet
Marmurflex S1 White Adhesive with Trass TS56	25 kg	Bag	48

Flex

Flexible Tile Adhesive



Flexible Tile Adhesive Flex is suitable for fixing all types of wall and floor ceramic tiles, glazed, terracotta, clinker, mosaics, terrazzo and cement tiles, natural stone tiles that are resistant to discolouration (after prior checking of their resistance to discolouration). The adhesive mortar is applied onto every typical and demanding substrate, internally or externally.

APPLICATIONS:

- Milled rock, terracotta, clinker, mosaics, terrazzo and cement tiles
- Natural stone
- Balconies and terraces
- Floor and wall heating
- For external and internal use

BENEFITS:

- For XL format of tiles
- For difficult substrates
- For underfloor heating
- Water and frost resistant

TECHNICAL PARAMETERS:

- Mixing ratio: 6–6,5 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 4 h
- Application temperature: +5°C to +25°C
- Open time: 30 min
- Correction time: 30 min
- Grouting walls/ floors: after 12/ 24 h
- Partial/ full usage: after 3/ 28 days
- Slip: ≤ 0,5 mm
- Approximate consumption for at the thickness of 1 mm: approx. 1,4 kg/m²
- Layer thickness: 2–10 mm
- EN 12004 C2E

Product name	Content	Packaging	Pieces per pallet
Flex Flexible Tile Adhesive TS54	25 kg	Bag	48

Express

Quick Flexible Adhesive



Quick Adhesive Express is suitable for efficient and quick fixing of all ceramic tiles (glazed, terracotta, clinker), non-absorbent tiles, natural stone tiles (after prior checking) and stone conglomerates.

APPLICATIONS:

- For quick repair, ideal for:
 - outdoor areas, such as terraces, balconies and facades made of clinker or plastron
 - communication passage corridors and terraces
 - bathrooms, kitchens
- For external and internal use

BENEFITS:

- For XL format of tiles
- Quick-setting and flexible
- For swimming pools, terraces and balconies
- Water and frost resistant

TECHNICAL PARAMETERS:

- Mixing ratio: 6,5–7,0 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 60 min
- Application temperature: +5°C to +25°C
- Open time: 10 min
- Correction time: 10 min
- Grouting walls/ floors: after 2/ 4 h
- Usage: after 24 h
- Slip: ≤ 0,5 mm
- Approximate consumption for at the thickness of 1 mm: approx. 1,4 kg/m²
- Layer thickness 2–5 mm
- EN 12004 C2 FT

Product name	Content	Packaging	Pieces per pallet
Express Quick Flexible Adhesive TS57	25 kg	Bag	48

GEA746

Wide Tile Grout



Wide Tile Grout is designated for grouting joints of 4–20 mm width on walls and floors. Thanks to specially well-chosen high-class cement compositions the product is characterized by high resistance and adhesion as well as by very good application parameters such as resistance to cracking and scratching. High technical parameters of the product allow use on renewable substrates.

APPLICATIONS:

- Wide and rustic welds
- Floors exposed to large dirt
- Heated floor
- For external and internal use
- Terracotta, clinker, gres, mosaic
- Terazzo and cement tiles, plates from natural and synthetic stone
- Heavily loaded floors (offices, shops, schools, offices)

BENEFITS:

- Water and frost resistant
- For external and internal use
- Bathrooms, kitchens, halls, corridors, stairs
- Balconies and terraces
- Joint width: 4–20 mm
- Colours: white, grey, creamy, brown, graphite, black

TECHNICAL PARAMETERS:

- Mixing ratio
 - 5,0–5,5 l of water per 25 kg of dry mortar
 - 0,20–0,22 l of water per 1 kg of dry mortar
- Pot life up to 2 h
- Application temperature: +5°C to +25°C
- Set time: 48 h (walk on), 14 days (full cure)
- Min. joint width 4 mm
- Max. joint width 20 mm
- EN 13813 CG 1



Product name	Content	Packaging	Pieces per pallet
GEA746 Wide Tile Grout	25 kg	Bag	48

Hydro 1K

Flexible Sealing Mortar



Sealing Mortar Hydro 1K is a one-component product suitable for making light, medium, heavy moisture and water insulation. It creates a tight, flexible and seamless coat to bridge substrate cracks and provide a permanent sealing for corners, expansion joints and sanitary pipe passes in connection with special sealing tapes and flanges of the Tytan water insulation system.

APPLICATIONS:

- Concrete, cement-lime and gypsum plasters, gypsum plaster boards
- Anhydrite and cement screeds
- Autoclaved aerated concrete blocks
- Hollow blocks and ceramic bricks
- Foundation blocks
- Old, wooded and heated floors
- Damp and wet rooms:
 - balconies, terraces, sanitary rooms, sealing cellar walls and foundations

BENEFITS:

- One-component cement sealing mortar
- Damp and wet rooms:
- Walls and floors
- Layer thickness 2–3 mm
- For internal and external use

TECHNICAL PARAMETERS:

- Mixing ratio: 5,0–5,5 l water per 20 kg
- Application temperature: +5°C to +25°C
- Time to use after mixing: approx. 2 h
- First coat drying time: approx. 3 h
- Can be walked upon after: approx. 12 h
- Complete the protective layer after: approx. 24 h
- Bury excavations after: approx. 72 h
- Pressurised water load: after approx. 7 days
- Crack coverage: $\geq 0,75$ mm
- Consumption per 1 mm thickness: 1,4 kg/m²
- EN 14891

Product name	Content	Packaging	Pieces per pallet
Hydro 1K Flexible Sealing Mortar TS41	20 kg	Bag	48

Hydro 2K

Waterproofing Mortar



Two-component, durable and flexible waterproofing mortar, resistant to positive and negative water pressure.

APPLICATIONS:

- Terraces and balconies
- Internal and external basement walls and foundations (up to 5 m below ground water)
- Waterproofing in damp and wet areas, including: swimming pools, washrooms, showers or bathrooms, garden ponds or industrial water tanks

BENEFITS:

- Can be applied on very damp substrates
- Resistant to frost and ageing
- Resistant to aggressive chemical environments
- Crack-bridging ability
- Very good adhesion
- Resistant to scratching, good load capacity and high vapour permeability
- Fast curing (can be tiled and walk on after 24 h)
- Environmentally friendly, contains no solvents

TECHNICAL PARAMETERS:

- Consumption per 1 mm: 1,5 kg/m²
- Consumption against moisture and non-pressure water: min. 1,5 mm, ca. 2,3 kg/m²
- Against pressure and ground water, water tanks: min. 2,5 mm, ca. 3,7 kg/m²

Product name	Content	Packaging	Pieces per pallet
Hydro 2K Waterproofing Mortar	8 kg	Bucket	32
	24 kg	Bucket	32

Sealing Tape “TU”



Recommended for use together with Liquid Foil and Flexible Sealing Mortar Hydro 1K, to ensure perfect waterproofing. Effectively protects joints against penetration of water and moisture.

APPLICATIONS:

- Protection of corners, edges, dilatation joints, floor cracks or pipe passages
- Kitchens, bathrooms, shower cabins, washrooms, basements, balconies, terraces

BENEFITS:

- Can be used with any tile application method
- Ensures waterproofing in the areas exposed to temporary moisture
- Flexible and durable sealing

TECHNICAL PARAMETERS:

- Composition: tape made from polyester mesh (120 mm wide). Central stripe (70 mm wide) is covered from up and bottom by thermoplastic elastomer, bottom side of elastomer is covered by polypropylene fabric
- Watertight under pressure: 0,5 MPa

Product name	Content	Dimensions	Packaging	Pieces per box	Pieces per pallet
Sealing Tape “TU” for Liquid Foil and Flexible Sealing Mortar Hydro 1K	Internal corner	120/ 70 mm x 140 mm	Box	30	–
	Outer corner	120/ 70 mm x 140 mm	Box	30	–
	Wall cuff	120 x 120 mm	Box	30	–
	Floor cuff	425 x 425 mm	Box	24	–
	Tape	120 x 70 mm x 10 m	Box	36	504
	Tape	120 x 70 mm x 50 m	Box	16	96
	Tape	120 x 70 mm x 5 m	Box	32	–

Tape “TPER”



Recommended for use together with Hydro 2K and Flexible Sealing Mortar Hydro 1K, to ensure perfect waterproofing. Effectively protects joints against penetration of water and moisture.

APPLICATIONS:

- Terraces, balconies, swimming pools, water tanks or other wet areas
- Protection of corners, edges, dilatation joints, floor cracks or pipe passages
- Vertical and horizontal insulation in underground parts of buildings

BENEFITS:

- Flexible and durable seal
- Can be used with any tile application method
- Resistant to aggressive media
- Vapour permeable

TECHNICAL PARAMETERS:

- Composition: tape made from: polyester mesh. Central stripe is covered from up and bottom by thermoplastic elastomer, bottom side of elastomer is covered by polypropylene fabric
- Size:
 - total wide: 80–3200 mm
 - elastomer wide: 80–3200 mm
- Watertight under pressure: 0,5 MPa

Product name	Content	Dimensions	Packaging	Pieces per box	Pieces per pallet
Tape “TPER” for Hydro 2K and Flexible Sealing Mortar Hydro 1K	Tape	120 mm x 10 m	Box	36	504
	Tape	120 mm x 50 m	Box	16	96
	Wall cuff	120 x 120 mm	Box	–	–
	Floor cuff	425 x 425 mm	Box	–	–

Maestra 10-80 Quick-Setting Screed



Maestra Quick-Setting screed is used for subflooring inside and outside of buildings. The screed is used as the final layer for flooring panels, ceramic tiles, floorings and epoxy resin paints, carpet flooring and as a primer for self-levelling compounds. Due to its consistency, it is ideal for forming slopes.

APPLICATIONS:

- For subflooring
- Heated floors
- Balconies and terraces
- For external and internal use

BENEFITS:

- Foot traffic possible after 4 h
- Quick curing – 80 mm layer ready for tiles installation after 24 h
- Layer thickness from 10–80 mm
- High strength ≥ 35 MPa
- Water and frost resistant

TECHNICAL PARAMETERS:

- Class: CT-C35-F7
- Application temperature: $+5^{\circ}\text{C}$ to $+25^{\circ}\text{C}$
- Mixing ratio: 2,75 l of water per 25 kg of dry mortar
- Pot life: ca. 15 min
- Allowed pedestrian traffic: after ca. 4 h
- Consumption: 2,0–2,2 $\text{kg}/\text{m}^2/\text{mm}$
- Bulk density: ca. 1,65 kg/dm^3
- Compressive strength: ≥ 35 MPa
- Flexural strength: ≥ 7 MPa
- Shrinkage: 1,25 mm/m
- Aggregate maximum diameter: 3 mm
- EN 13813:2003 CT-C35-F7

Product name	Content	Packaging	Pieces per pallet
Maestra 10-80 Quick-Setting Screed TS21	25 kg	Bag	48

GEA 3-30 Quick-Setting Levelling Mortar



Quick-Setting Levelling Mortar intended for levelling, filling cavities, eliminating unevenness on walls and floors, inside and outside of buildings, as a primer for ceramic, stoneware, clinker tiles, natural stone, plasters, finish coats, etc. Used to form slopes on terraces, balconies, as well as in wet rooms.

APPLICATIONS:

- For levelling, filling cavities, eliminating unevenness on walls and floors
- For creating slopes on terraces, balconies, laundry and garages
- For repairing or levelling surfaces like: concrete, cellular concrete, cement, cement-lime plasters, cements screeds, non-plastered walls made from bricks, ceramic hollow blocks, AAC, silicate blocks
- For interior and exterior use

BENEFITS:

- Cement-based product
- Quick-setting – possibility of tiling after 4 h with a layer thickness of 1 cm
- Layer thickness 3–30 mm in a single layer
- Possibility to apply putty on the floor, wall and ceiling
- Contains traces – reduce discolouration and efflorescence
- Water and frost resistant

TECHNICAL PARAMETERS:

- Water and frost resistant
- Setting: 1 cm thickness in 4 h
- Layer thickness: 3–30 mm
- Compressive strength: > 25 MPa
- Flexural strength: > 4 MPa
- EN 13813 CT-C25-F4

Product name	Content	Packaging	Pieces per pallet
GEA 3-30 Quick-Setting Levelling Mortar	25 kg	Bag	48

Multigrunt

Primer

Multigrunt is a concentrated primer based on two types of acrylic dispersions that strengthen the substrate, leveling the absorbency and increasing the adhesion of screeds, adhesives, plasters, and interior and exterior paints. It penetrates the substrate, strengthens the surfaces, binds the loose particles and limits the water absorption of the substrate.



APPLICATIONS:

- Cement substrate, gypsum, anhydrite, plasterboard, autoclaved aerated concrete blocks, cement plasters, cement-lime plasters, gypsum plasters

BENEFITS:

- Concentrated
- Increases adhesion
- Strengthens substrate
- For internal and external use
- For adhesives, plasters, paints and floor levelling

TECHNICAL PARAMETERS:

- Application temperature (substrate, air, materials): +5°C to +25°C
- Consumption without dilution: approx. 0,2 l per 1 m²/l depending on the evenness and absorption of substrate
- Drying time: approx. 3 h
- Drying time before continuing work: 6 h after priming

Product name	Content	Packaging	Pieces per pallet	Colours
Multigrunt Primer S01	5 l	Canister	108	Transparent

Terraces & Balconies

Sealant & Adhesive

A waterproof, durable and elastic sealant, perfect for sealing and filling dilatation joints in terraces and balconies, as well as in building structures. It creates a waterproof, non-shrink and vibration resistant joint.



APPLICATIONS:

- Sealing dilatation joints on balconies and terraces
- Sealing and filling dilatation joints in building structures
- Bonding construction elements

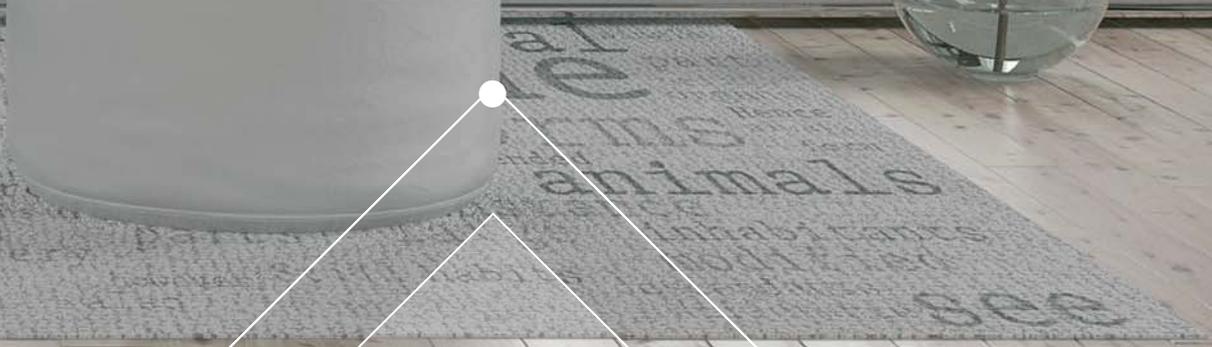
BENEFITS:

- Extreme bonding strength
- Excellent adhesion
- Can be applied on wet substrates
- Shockproof and resistant to vibrations
- Resistant to UV radiation and weather conditions
- Will not corrode metals or discolour alkaline surfaces
- Does not require primers
- Almost odourless

TECHNICAL PARAMETERS:

- Colours: white, grey, brown
- High modulus
- Movement accommodation: 20%
- Thermal resistance: -40°C to +90°C
- Working temperature: 0°C to +40°C

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Terraces & Balconies Sealant & Adhesive	310 ml	Cartridge	12	1 140
	600 ml	Foil	12	1 152



INTERIOR

- Systems used in high humidity areas
- Systems and solutions for painters
- Minor repairs and hobby

Interior finishing works are a vital and emotional stage of every construction or renovation. It is the time when important decisions have to be made as to the character of the interior, its aesthetics and functionality. This is when extra care and attention should be given to the choice of proper products which, even though they may not be visible, will guarantee long lasting and safe usage of finished interiors.

The Interior & Decoration Segment offers a wide array of products, systems and solutions designed to satisfy diverse needs of our customers – building contractors, finishing works, painters, tilers etc. Our mission is not only to provide the best possible products for the construction – finishing works, but also to assist our customers in tackling the potential issues which may arise during the process of finishing. We are proud to offer only the highest quality products based on modern technologies which are, at the same time, safe and easy to use.

Our customers are presented with the choice of complete systems for implementation in high humidity areas (kitchens, bathrooms, laundries etc.) where the greatest challenge is providing the proper water and moisture resistance as well as the protection against bacteria, mould and fungi growth. The system includes waterproofing products, tile adhesives, grouts, silicones and sanitary sealants, adhesives for fitting mirrors, adhesives and sealants for fitting tops and many other finishing elements.

Another important group of our customers are house painters and general construction companies. This is the group which benefits from our wide choice products which are indispensable at each stage of painting work, starting from the protection of the surface (foils, protective tapes) through the substrate preparation (primers, foam adhesives for bonding plasterboards, tapes for plasterboards, masking tapes for sealing cracks in walls and ceilings, painter's tapes, acrylic paints, finish coats), and ending with paints and mounting adhesives for skirting boards and stucco.

Interior & Decoration Segment also includes a variety of products for finishing works and DIY in its widest sense. Here we can find, among others, chemical anchors, (for mounting cornices and other heavy finishing elements), fireplace sealants (for installing ovens, fireplaces and grills), wood adhesives (for modelling, assembling and fixing room and garden furniture, thresholds, stairs, sills etc.). The offer also includes general purpose products such as mounting adhesives (for mounting stucco, skirting boards and other finishing elements), sealants, polyurethane foams for filling cracks, voids, irregularities.

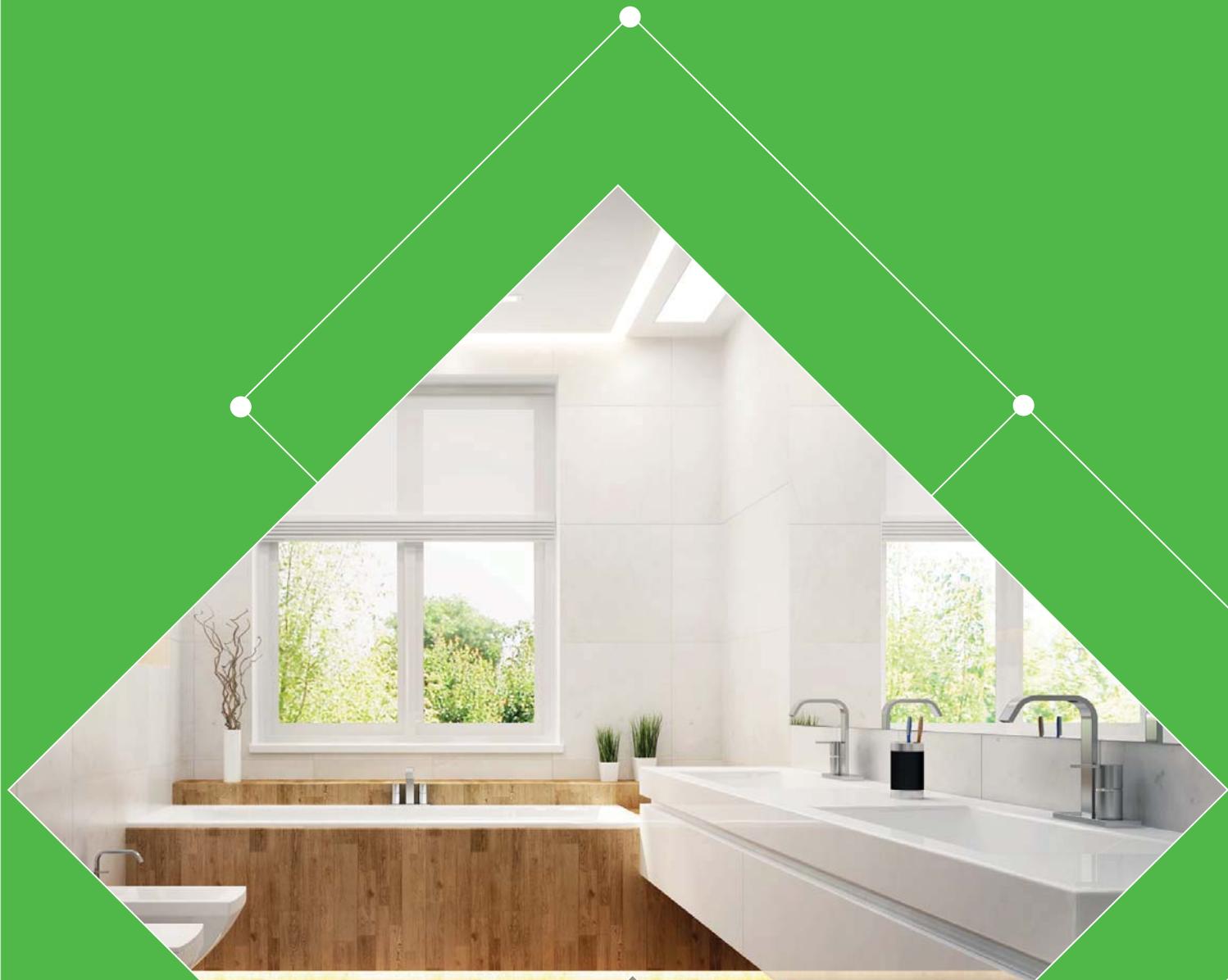
All the products displayed in our Interior & Decoration Segment are used and valued by the professionals in over 70 countries worldwide.

Many of them were awarded prestigious prizes in recognition of their quality and innovation. All of our products are certified which attests to their high quality and safety in usage. We are so convinced of our products' exceptional parameters and quality that we do not hesitate to offer an extended warranty on all the works carried out with the use of our products and systems.



Kitchens & Bathrooms

Walls & Ceilings



KITCHENS & BATHROOMS

- 156 Megaflex S1 Hybrid Tile Adhesive
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- 170 Mounting Adhesive for Mirrors
- 172 Power Flex Mounting Adhesive & Sealant
- 173 Gallop Fix Fast Curing Mounting Adhesive
- 173 Vector Rapid Mounting Adhesive High-Tack
- 176 Joint Finger Set
- 177 Vector Heavy Duty Caulking Gun
- 177 Profi Skeleton Gun
- 177 Standard Skeleton Gun

Walls & Ceilings 179



BATHROOM SYSTEM

The bathroom is a place designed for relaxation after day's of hard work. Contemporary bathrooms, often decorated with the great expense of time and money are often perceived as the showpiece of our house. It is worth remembering that in addition to carefully chosen colours and tiles, one of the vital aspects of every bathroom is its practicality. When designing your bathroom you should also remember about the elements which are not visible and yet play a decisive role in making our bathroom floors and walls functional and well-protected against moisture for long years. These elements, often hidden from view behind beneath tiles, mirrors or sanitary ceramics are construction chemicals such as: self-levelling mortars, sealants and adhesives.

Tytan Professional Bathroom System is a comprehensive solution which offers a wide array of products designed for various types of substrates, formats and claddings. The system was developed after many years of technological efforts and practical testing carried out in the consultation with builders. Tytan Professional Bathroom System includes a series of components which allow you to carry out the following works:

1. Equalizing substrate absorbency – Multigrunt Primer
2. Levelling voids and defects – GEA 3-30 Quick-Setting Levelling Mortar
3. Substrate waterproofing – Hydro 1K Flexible Sealing Mortar or Hydro Liquid Foil
4. Gluing on tiles – Superflex S1 High Flexible Tile Adhesive or Marmurflex S1 White Adhesive with Trass
5. Grouting – Tytan Grout
6. Silicone sealing – Sanitary Silicone



Bathroom System

System elements:

1. Substrate
2. Multigrunt Primer
3. GEA 3-30 Quick-Setting Levelling Mortar
4. Hydro 1K Flexible Sealing Mortar or Hydro Liquid Foil
5. Tapes
6. Flex Flexible Tile Adhesive
7. Back Up Rod
8. GEA746 Wide Tile Grout
9. Sanitary Silicone



Substrate



Bathroom System with under tile heating mat

In the case of using heating mats as a part of our bathroom system, we embed it between two layers of the S1 class adhesives, for example Superflex S1 High Flexible Tile Adhesive, Marmurflex S1 White Adhesive with Trass or Megaflex S1 Hybrid Tile Adhesive. These highly elastic and formable adhesives have a proven track record of excellence on difficult, demanding substrates. They are designed for heavy, wide tiles. Marmurflex S1 Adhesivewith Trass is a great choice for bonding marble, both natural and synthetic, and natural stone. Additionally, it protects them against efflorescence and discolouration.

System elements:

1. Substrate
2. Multigrunt Primer
3. GEA 3-30 Quick-Setting Levelling Mortar
4. Hydro 1K Flexible Sealing Mortar or Hydro Liquid Foil
5. Tapes
6. Superflex S1 High Flexible Tile Adhesive
7. Back Up Rod
8. GEA746 Wile Tile Grout
9. Sanitary Silicone



Megaflex S1

Hybrid Tile Adhesive



Hybrid Adhesive Megaflex S1 is recommended for fixing all types of wall and floor tiles. It is a multi-purpose product with possibility of consistency selection depending on purpose. Hybrid Adhesive Megaflex S1 is recommended for seating heavy XXXL size tiles. It can be used as patching putty up to 15 mm.

APPLICATIONS:

- For heavy XXL size tiles and slim-type of tiles
 - terracotta, clinker, mosaics, terrazzo and cement tiles
 - natural stone tiles (after prior checking of their resistance to discolouration)
- For underfloor heating
- Difficult substrates, including OSB
- For bonding „tile on tile“
- Balconies and terraces, kitchens, bathrooms, swimming-pools, facades
- For internal and external use

BENEFITS:

- For XXXL format of tiles
- For heavy mechanical loads
- For underfloor heating
- Multi-purpose product 4 in 1:
 - thin- and medium-layer spreading adhesive or patching putty
- Very High efficiency

TECHNICAL PARAMETERS:

- Mixing ratio: 5,4–7,0 l of water per 18 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 3 h
- Application temperature: +5°C to +25°C
- Open time: 30 min
- Correction time: 30 min
- Grouting walls/ floors: after 12/ 24 h
- Partial/ full usage: after 2/ 14 days
- Slip: ≤ 0,5 mm
- Approximate consumption for at the thickness of 1 mm: approx. 0,9 kg/m²
- Layer thickness 2–20 mm
- EN 12004 C2 TE S1

Product name	Content	Packaging	Pieces per pallet
Megaflex S1 Hybrid Tile Adhesive TS58	25 kg	Bag	48

Superflex S1

High Flexible Tile Adhesive



Tile Adhesive Superflex S1 is suitable for fixing all types of wall and floor ceramic tiles, glazed, terracotta, mosaics, terrazzo and cement tiles, natural stone tiles (after prior checking of their resistance to discolouration) and stone conglomerates in small and large sizes. It is designed for every typical and demanding substrate, internally or externally.

APPLICATIONS:

- All types of tiles:
 - terracotta, clinker, mosaics, terrazzo and cement tiles
 - natural stone tiles and stone conglomerates
- For typical and demanding substrate, including OSB
- For floors with underfloor heating
- For bonding „tile on tile“
- For internal and external use
- Balconies and terraces
- Kitchens, bathrooms, swimming-pools
- Facades
- Communication passages

BENEFITS:

- For XXL format of tiles
- For difficult substrates
- For underfloor heating
- Water and frost resistant

TECHNICAL PARAMETERS:

- Mixing ratio: 6,0–6,5 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 3 h
- Application temperature: +5°C to +25°C
- Open time: 30 min
- Correction time: 30 min
- Grouting walls/ floors: after 12/ 24 h
- Partial/ full usage: after 2/ 14 days
- Slip: ≤ 0,5 mm
- Approximate consumption for at the thickness of 1 mm: approx. 1,4 kg/m²
- Layer thickness 2–10 mm
- EN 12004 C2 TE S1

Product name	Content	Packaging	Pieces per pallet
Superflex S1 High Flexible Tile Adhesive TS55	25 kg	Bag	48

Marmurflex S1 White Adhesive with Trass



White Adhesive with Trass Marmurflex S1 is suitable for efficient installation of all types of natural and synthetic marble, natural stone and ceramic floor tiles, terrazzo and cement tiles in all formats. The adhesive is designed for application onto virtually any rigid and demanding (difficult) substrate.

APPLICATIONS:

- Natural and synthetic marble
- Natural stones
- Ceramic floor tiles: glazed, terracotta, clinker, mosaics
- Terrazzo and cement tiles
- For underfloor heating
- For internal and external use

BENEFITS:

- For XXL format of tiles
- White colour – perfect for marble and other natural stones
- Contains trass – reduced discolouration and efflorescence
- For underfloor heating

TECHNICAL PARAMETERS:

- Mixing ratio: 6,5–7,0 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 3 h
- Application temperature: +5°C to +25°C
- Open time (skin formation): 30 min
- Correction time: 30 min
- Grouting walls/ floors: after 12/ 24 h
- Partial/ full usage: after 3/ 14 days
- Slip: ≤ 0,5 mm
- Approximate consumption for at the thickness of 1 mm: approx. 1,4 kg/m²
- Layer thickness 2–20 mm
- EN 12004 C2 TE S1

Product name	Content	Packaging	Pieces per pallet
Marmurflex S1 White Adhesive with Trass TS56	25 kg	Bag	48

Marmur

Marble Adhesive



Marble Adhesive Marmur for fixing natural and synthetic marble, natural stone, glass mosaics, wall and floor ceramic tiles, terrazzo and cement tiles. The adhesive for all rigid and demanding substrates, internally or externally, and for underfloor heating.

APPLICATIONS:

- Natural and synthetic marble, natural stone, glass mosaics
- Wall and floor ceramic tiles:
 - glazed, terracotta, clinker, stoneware tiles
- Terrazzo and cement tiles
- For underfloor heating
- For all rigid and demanding substrates
- For internal and external use

BENEFITS:

- White, does not cause discolouration
- Flexible
- Water and frost resistant

TECHNICAL PARAMETERS:

- Mixing ratio: 5,5–6,0 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 3 h
- Application temperature: +5°C to +25°C
- Open time: 30 min
- Correction time: 10 min
- Grouting walls/ floors: after 12/ 24 h
- Partial/ full usage: after 3/ 14 days
- Slip: ≤ 0,5 mm
- Approximate consumption at a thickness of 1 mm: approx. 1,2 kg/m²
- Layer thickness from 2–10 mm
- EN 12004 C1 TE

Product name	Content	Packaging	Pieces per pallet
Marmur Marble Adhesive TS53	25 kg	Bag	48

Express

Quick Flexible Adhesive



Quick Adhesive Express is suitable for efficient and quick fixing of all ceramic tiles (glazed, terracotta, clinker), non-absorbent tiles, natural stone tiles (after prior checking) and stone conglomerates.

APPLICATIONS:

- For quick repair, ideal for:
 - outdoor areas, such as terraces, balconies and facades made of clinker or plastron
 - communication passage corridors and terraces
 - bathrooms, kitchens
- For external and internal use

BENEFITS:

- For XL format of tiles
- Quick-setting and flexible
- For swimming pools, terraces and balconies
- Water and frost resistant

TECHNICAL PARAMETERS:

- Mixing ratio: 6,5–7,0 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 60 min
- Application temperature: +5°C to +25°C
- Open time: 10 min
- Correction time: 10 min
- Grouting walls/ floors: after 2/ 4 h
- Usage: after 24 h
- Slip: ≤ 0,5 mm
- Approximate consumption for at the thickness of 1 mm: approx. 1,4 kg/m²
- Layer thickness 2–5 mm
- EN 12004 C2 FT

Product name	Content	Packaging	Pieces per pallet
Express Quick Flexible Adhesive TS57	25 kg	Bag	48

Flex

Flexible Tile Adhesive



Flexible Tile Adhesive Flex is suitable for fixing all types of wall and floor ceramic tiles, glazed, terracotta, clinker, mosaics, terrazzo and cement tiles, natural stone tiles that are resistant to discolouration (after prior checking of their resistance to discolouration). The adhesive mortar is applied onto every typical and demanding substrate, internally or externally.

APPLICATIONS:

- Milled rock, terracotta, clinker, mosaics, terrazzo and cement tiles
- Natural stone
- Balconies and terraces
- Floor and wall heating
- For external and internal use

BENEFITS:

- For XL format of tiles
- For difficult substrates
- For underfloor heating
- Water and frost resistant

TECHNICAL PARAMETERS:

- Mixing ratio: 6–6,5 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 4 h
- Application temperature: +5°C to +25°C
- Open time: 30 min
- Correction time: 30 min
- Grouting walls/ floors: after 12/ 24 h
- Partial/ full usage: after 3/ 28 days
- Slip: ≤ 0,5 mm
- Approximate consumption for at the thickness of 1 mm: approx. 1,4 kg/m²
- Layer thickness: 2–10 mm
- EN 12004 C2TE

Product name	Content	Packaging	Pieces per pallet
Flex Flexible Tile Adhesive TS54	25 kg	Bag	48

Gres

Tile Adhesive



Tile Adhesive Gres for fixing wall and floor tiles: stoneware, ceramic, to typical loads. Suitable for interior and exterior use.

APPLICATIONS:

- For fixing wall and floor tiles up to 35 x 35 cm
- Especially recommended for glazed tiles
- For interior and exterior

BENEFITS:

- For gres and ceramic tiles
- More flexible
- Frost and water-resistant
- Enables laying tiles from the top

TECHNICAL PARAMETERS:

- Mixing ratio: 6,0–6,5 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 3 h
- Application temperature: +5°C to +25°C
- Open time: 30 min
- Correction time: 30 min
- Grouting walls: after 12 h
- Grouting floors: after 24 h
- Partial/ full usage: after 3/ 14 days
- Slip: ≤ 0,5 mm
- Approximate consumption for 1 mm thickness: approx. 1,5 kg/m²
- Layer thickness: 2–10 mm
- EN 12004 C1 TE

Product name	Content	Packaging	Pieces per pallet
Gres Tile Adhesive TS52	25 kg	Bag	48

Standard

Tile Adhesive



Tile Adhesive Standard is suitable for fixing wall and floor ceramic tiles exposed to typical low loads. It is designed for application onto a rigid substrate, indoor.

APPLICATIONS:

- For small and medium format ceramic tiles
- For wall and ceramic tiles-lazed, terracotta

BENEFITS:

- For M format of tiles
- Frost and water-resistant

TECHNICAL PARAMETERS:

- Mixing ratio: approx. 5,5–6 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 3 h
- Application temperature: +5°C to +25°C
- Open time: 20 min
- Correction time: 10 min
- Grouting walls/ floors: after 12/ 24 h
- Partial/ full usage: 3/ 14 days
- Slip: ≤ 0,5 mm
- Approximate consumption for 1 mm thickness: approx. 1,5 kg/m²
- Layer thickness: 2–8 mm
- EN 12004 C1 T

Product name	Content	Packaging	Pieces per pallet
Standard Tile Adhesive TS51	25 kg	Bag	48



	MEGAFLEX S1 Hybrid Tile Adhesive TS58	SUPERFLEX S1 High Flexibility Tile Adhesive TS55	MARMURFLEX S1 White Adhesive with Trass TS56	MARMUR Marble Adhesive TS53
PN-EN 12004	C2TES1	C2TES1	C2TES1	C1TE
Colour	grey	grey	white	white
Outside				
TILES FORMAT				
M				
L				
XL				
XXL				
XXXL				
TYPES OF TILES				
Absorbent > 3%				
Clinker				
Gres				
Dark natural stone, resistant to deformation				
Bright natural stone, resistant to deformation				
Dark natural stone, sensitive to deformation				
Glass mosaic				
Terrazzo				
APPLICATION				
Bathrooms				
Kitchens				
Corridors				
Communication passages				
Industrial spaces				
Terraces, balconies				
Substrates exposed to heavy loads				
For underfloor heating				
For waterproofing				
Facades				
Swimming pools				
Damp rooms				

RECOMMENDED

CONDITIONALLY RECOMMENDED

NOT RECOMMENDED



EXPRESS Quick Flexible Adhesive TS57	FLEX Flexible Tile Adhesive TS54	GRES Tile Adhesive TS52	STANDARD Tile Adhesive TS51	
C2FT	C2TE	C1TE	C1T	PN-EN 12004
grey	grey	grey	grey	Colour
				Outside
TILES FORMAT				
				M
				L
				XL
				XXL
				XXXL
TYPES OF TILES				
				Absorbent > 3%
				Clinker
				Gres
				Dark natural stone, resistant to deformation
				Bright natural stone, resistant to deformation
				Dark natural stone, sensitive to deformation
				Glass mosaic
				Terrazzo
APPLICATION				
				Bathrooms
				Kitchens
				Corridors
				Communication passages
				Industrial spaces
				Terraces, balconies
				Substrates exposed to heavy loads
				For underfloor heating
				For waterproofing
				Facades
				Swimming pools
				Damp rooms

RECOMMENDED

CONDITIONALLY RECOMMENDED

NOT RECOMMENDED

Hydro 1K

Flexible Sealing Mortar



Sealing Mortar Hydro 1K is a one-component product suitable for making light, medium, heavy moisture and water insulation. It creates a tight, flexible and seamless coat to bridge substrate cracks and provide a permanent sealing for corners, expansion joints and sanitary pipe passes in connection with special sealing tapes and flanges of the Tytan water insulation system.

APPLICATIONS:

- Concrete, cement-lime and gypsum plasters, gypsum plaster boards
- Anhydrite and cement screeds
- Autoclaved aerated concrete blocks
- Hollow blocks and ceramic bricks
- Foundation blocks
- Old, wooded and heated floors
- Damp and wet rooms:
 - balconies, terraces, sanitary rooms, sealing cellar walls and foundations

BENEFITS:

- One-component cement sealing mortar
- Damp and wet rooms:
- Walls and floors
- Layer thickness 2–3 mm
- For internal and external use

TECHNICAL PARAMETERS:

- Mixing ratio: 5,0–5,5 l of water per 20 kg of dry mortar
- Application temperature: +5°C to +25°C
- Time to use after mixing: approx. 2 h
- First coat drying time: approx. 3 h
- Can be walked upon after: approx. 12 h
- Complete the protective layer after: approx. 24 h
- Bury excavations after: approx. 72 h
- Pressurised water load: after approx. 7 days
- Crack coverage: $\geq 0,75$ mm
- Consumption per 1 mm thickness: 1,4 kg/m²
- EN 14891

Product name	Content	Packaging	Pieces per pallet
Hydro 1K Flexible Sealing Mortar	20 kg	Bag	48

Hydro

Liquid Foil



Hydro Liquid Foil is recommended for jointless sealing and waterproofing of absorbent and porous substrates, including mineral and concrete surfaces, cement floors, walls, plasters, wooden boards, gypsum fiberboards or drywall.

APPLICATIONS:

- For interior & exterior use
- Waterproofing of floors and walls in areas exposed to temporary moisture (kitchens, bathrooms, shower cabins, washrooms, basements, balconies, terraces)
- Insulation under ceramic tile

BENEFITS:

- Creates a flexible, durable substrate
- Covers scratches on the substrate
- Good adhesion
- Easy application with brush or roller

TECHNICAL PARAMETERS:

- Curing time for 1 layer: min 6 h
- Full curing time: min. 24 h
- Minimum layer thickness: 1,5 mm
- Total consumption: 1,3–2,0 kg/m²*

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Hydro Liquid Foil	1,2 kg	Bucket	6	374
	4 kg	Bucket	1	144
	12 kg	Bucket	1	55

Nivel 2-20

Self-Levelling Compound



Self-levelling screed Nivel 2–20 for making thin layer, self-distributing and quick setting, single layer screeds for internal use, 2–20 mm thick.

APPLICATIONS:

- For levelling concrete, cement and anhydrite substrates prior to laying:
 - any type of tiles
 - flooring (PVC, carpets, cork)
 - flooring panels
 - wooden mosaics, parquets and glued-laminated timber
- For use with existing floor heating

BENEFITS:

- Quick setting
- Easy-to-use
- Ready for passenger traffic: after approx. 6 h
- Layer thickness 2–20 mm

TECHNICAL PARAMETERS:

- Screed layer thickness: 2–20 mm
- Application temperature: +5°C to +25°C
- Mixing ratio: 6,0 l of water per 25 kg of dry mortar
- Ready-for-use time after mixing with water: approx. 20 min
- Consumption: 1,5 kg/m²/mm
- Bulk density: approx. 1,45 kg/m³
- Compressive strength: > 25 MPa
- Bending strength: ≥ 5 MPa
- Traction: ≥ 1 MPa
- EN 13813:2003 CT-C25-F5

Product name	Content	Packaging	Pieces per pallet
Nivel 2-20 Self-Levelling Compound TS23	25 kg	Bag	48

GEA 3-30

Quick-Setting Levelling Mortar



Quick-Setting Levelling Mortar intended for levelling, filling cavities, eliminating unevenness on walls and floors, inside and outside of buildings, as a primer for ceramic, stoneware, clinker tiles, natural stone, plasters, finish coats, etc. Used to form slopes on terraces, balconies, as well as in wet rooms.

APPLICATIONS:

- For levelling, filling cavities, eliminating unevenness on walls and floors
- For creating slopes on terraces, balconies, laundry and garages
- For repairing or levelling surfaces like: concrete, cellular concrete, cement, cement-lime plasters, cements screeds, non-plastered walls made from bricks, ceramic hollow blocks, AAC, silicate blocks
- For interior and exterior use

BENEFITS:

- Cement-based product
- Quick-setting – possibility of tiling after 4 h with a layer thickness of 1 cm
- Layer thickness 3–30 mm in a single layer
- Possibility to apply putty on the floor, wall and ceiling
- Contains traces – reduce discolouration and efflorescence
- Water and frost resistant

TECHNICAL PARAMETERS:

- Water and frost resistant
- Setting: 1 cm thickness in 4 h
- Layer thickness: 3–30 mm
- Compressive strength: > 25 MPa
- Flexural strength: > 4 MPa
- EN 13813 CT-C25-F4

Product name	Content	Packaging	Pieces per pallet
GEA 3-30 Quick-Setting Levelling Mortar	25 kg	Bag	48

GEA746

Wide Tile Grout



Wide Tile Grout is designated for grouting joints of 4–20 mm width on walls and floors. Thanks to specially well-chosen high-class cement compositions the product is characterized by high resistance and adhesion as well as by very good application parameters such as resistance to cracking and scratching. High technical parameters of the product allow use on renewable substrates.

APPLICATIONS:

- Wide and rustic welds
- Floors exposed to large dirt
- Heated floor
- For external and internal use
- Terracotta, clinker, gres, mosaic
- Terazzo and cement tiles, plates from natural and synthetic stone
- Heavily loaded floors (offices, shops, schools, offices)

BENEFITS:

- Water and frost resistant
- For external and internal use
- Bathrooms, kitchens, halls, corridors, stairs
- Balconies and terraces
- Joint width: 4–20 mm
- Colours: white, grey, creamy, brown, graphite, black

TECHNICAL PARAMETERS:

- Mixing ratio
 - 5,0–5,5 l of water per 25 kg of dry mortar
 - 0,20–0,22 l of water per 1 kg of dry mortar
- Pot life up to 2 h
- Application temperature: +5°C to +25°C
- Set time: 48 h (walk on), 14 days (full cure)
- Min. joint width 4 mm
- Max. joint width 20 mm
- EN 13813 CG 1



Product name	Content	Packaging	Pieces per pallet
GEA746 Wide Tile Grout	25 kg	Bag	48

Multigrunt

Primer



Multigrunt is a concentrated primer based on two types of acrylic dispersions that strengthen the substrate, leveling the absorbency and increasing the adhesion of screeds, adhesives, plasters, and interior and exterior paints. It penetrates the substrate, strengthens the surfaces, binds the loose particles and limits the water absorption of the substrate.

APPLICATIONS:

- Cement substrate, gypsum, anhydrite, plasterboard, autoclaved aerated concrete blocks, cement plasters, cement-lime plasters, gypsum plasters

BENEFITS:

- Concentrated
- Increases adhesion
- Strengthens substrate
- For internal and external use
- For adhesives, plasters, paints and floor levelling

TECHNICAL PARAMETERS:

- Application temperature (substrate, air, materials): +5°C to +25°C
- Consumption without dilution: approx. 0,2 l per 1 m²/l depending on the evenness and absorption of substrate
- Drying time: approx. 3 h
- Drying time before continuing work: 6 h after priming

Product name	Content	Packaging	Pieces per pallet	Colours
Multigrunt Primer S01	5 l	Canister	108	Transparent

Betonkontakt Bonding Primer

Primer Betonkontakt is a bonding primer ready to use, highly adhesive based on acrylic dispersion with added quartz aggregate. It increases ground roughness and improves the adhesion of subsequent layers. It balances and regulates absorption in mixed substrates.

APPLICATIONS:

- For sealed concrete, cement, old tiles, prefabricated elements

BENEFITS:

- Improves the adhesion to the absorbent and non-absorbant substrates
- Balances surface absorbency
- For internal and external use

TECHNICAL PARAMETERS:

- Consumption ca. 0,20–0,35 kg per 1 m², depending on the evenness and absorbency of the substrate drying time ca. 6 h
- Application temperature (substrate, air, materials): +5°C to +30°C
- Possibility to apply another layer 12 h after priming
- PN-C-81906 TE0304



Product name	Content	Packaging	Pieces per pallet	Colours
Betonkontakt Bonding Primer	7 kg	Bucket	100	White
	15 kg	Bucket	33	White

Contact Primer for Non-Absorbent Substrates

Contact Primer for non-absorbent substrates bonding primer is a ready-to-use, highly adhesive preparation based on acrylic dispersions with added quartz aggregate. A vapour-permeable product.

APPLICATIONS:

- Can be used in non-absorbent such as concrete, plasterboards, coatings, painting, OSB and other sealed mineral surfaces

BENEFITS:

- Improves the adhesion to the absorbent and non-absorbant substrates
- Balances surface absorbency
- For internal and external use
- For walls and floors

TECHNICAL PARAMETERS:

- Application temperature (substrate, air, materials) from +5°C to +25°C
- Consumption ar. 0,15 per 1 m², depending on the evenness and absorbency of the substrate
- Drying time ca. 1–2 h
- Possibility to apply covering after min 2 h
- PN-C-81906 TS12



Product name	Content	Packaging	Pieces per pallet	Colours
Contact Primer for Non-Absorbent Substrates	4 kg	Bucket	144	Blue

60 Seconds

Fast Foam Adhesive



A multipurpose foam adhesive with high adhesion to many materials and substrates. The unique formulation based on the TYTACK technology provides fast initial tack after only 60 seconds and does not expand, which ensures the stability of bonded elements and prevents deformation.

APPLICATIONS:

- Drywall and OSB boards
- Decorative elements
- Window sills
- Construction of internal walls

BENEFITS:

- TYTACK technology
- Initial tack after 60 sec
- High adhesion strength: 500 kg/10 cm²
- No priming
- No expansion
- High yield

TECHNICAL PARAMETERS:

- Initial tack: after 60 sec
- Yield:
 - 750 ml gun: 40 rm
 - 750 ml straw: 30 rm
 - 300 ml straw: 15 rm
- Application temperature: 0°C to +30°C
- Can temperature: +10°C to +30°C
- Open time: < 2 min
- Correction time: < 3 min
- Bonding time: 60 min
- Full curing time: 24 h

Product name	Content	Packaging	Applicator	Pieces per box	Pieces per pallet
60 Seconds Fast Foam Adhesive	750 ml	Can	Gun	12	624
	750 ml	Can	Straw	12	624
	300 ml	Can	Straw	12	780

Sanit

Straw Polyurethane Foam



Low-pressure straw polyurethane foam, designed especially for plumbing applications: sealing sanitary, water and sewage system, as well as central heating systems. Adheres to a variety of building materials (PVC, bricks, concrete, plaster, wood, metal, EPS, PUR foams).

APPLICATIONS:

- Insulation and gap filling in central heating, water and sewage systems
- Sealing ventilation elements
- Sound insulation of shower trays and bathtubs
- Sealing of concrete rings in sewerage and ducts
- Filling of gaps and pipe or cable ducts

BENEFITS:

- Resistant to mould and fungus growth
- Minimal water absorption
- Excellent thermal and acoustic insulation
- Any position of the can during application (360°)
- Low pressure formulation (prevents bowing of sealed elements)
- Does not emit MDI during application**
- M1 emission class for building material***

TECHNICAL PARAMETERS:

- Yield: up to 47 l
- Application temperature: 0°C to +30°C
- Shelf life: 18 months

** The lack of MDI emission was certified by SP Proving Forskning Swedish Institute.
 *** Product classified by The Building Information Foundation RTS as M1 building material class. Once cured, it does not emit any hazardous substances.
 All communicated parameters were measured in compliance with Selenia's internal standards and depend heavily on external curing conditions, equipment quality and adherence to application instructions. The parameters were measured in standard laboratory conditions +23°C and 50% RH.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Sanit Straw Polyurethane Foam	750 ml	Can	12	624

How to choose proper sanitary sealant

In high moisture premises such as kitchens, bathrooms, laundry rooms all elastic joints between wall, flooring and kitchen or bathroom facilities should be sealed with the sanitary silicone. In order to ensure excellent sealing effect for many years, it is important to select the proper silicone and apply it correctly.

Which sanitary silicone to choose:

Sanitary silicones are the sealants of enhanced resistance to fungi and moulds due to the presence of antifungal components. Depending on the type and the amount of fungicides, they provide shorter or longer protection.

Similarly to other silicones they can be divided into two main types: acid and neutral.

Acid sanitary silicone can be recognized because of its strong vinegar acidic smell which it exudes during the wet phase of application. It is recommended for sealing sinks, bathtubs and ceramic or enamelled shower tubs. It is not recommended for plastic or alkaline materials (for example, mineral plasters), acid-sensitive materials such as some metals or natural stone.

Neutral sanitary silicone is odourless and chemically inert so it can be applied with most construction materials: concrete, stone, metal, bricks, wood, glass, glazed surfaces, PVC, acrylic and polycarbonate. It is ideal for bonding bath tubs and shower tubs made of acrylic or PVC.

Sanitary

Silicone

Flexible, acid curing sealant. Contains agents that prevent growth and development of mould, fungi or algae. It is characterised by a long-term resistance to moisture.

APPLICATIONS:

- Sealing of dilatation joints, connections and gaps in high humidity areas
- Sealing of water and wastewater systems
- Pointing joints in ceramic tiles

BENEFITS:

- Resistant to mould and fungus growth
- Excellent adhesion to glass, ceramics, porcelain and wood
- Waterproof
- Durable colour

TECHNICAL PARAMETERS:

- Colours: white, transparent, grey, brown, black
- System of curing: acetate
- Curing rate: 2,0 mm/ 24 h (+23°C, 50% RH)



COLOUR CHART



Product name	Content	Packaging	Pieces per box	Pieces per pallet
Sanitary Silicone	310 ml	Cartridge	12	1 440
	600 ml	Foil	12	1 152

UPG Express Sanitary Silicone



High-quality silicone, recommended for application in high humidity areas, such as kitchens, bathrooms or toilets. It contains an innovative UPG formula which ensures fungi and mould resistance of the seal for many years. The product was examined for its resistance against development of microorganisms and for its fungal growth inhibitory properties. The results confirmed the highest effectiveness and the longlasting protective action of the UPG formula. It is characterized by good adhesion to most sanitary surfaces, e.g. tiles, ceramics, glass, acrylic shower cabins and bathtubs, wood. Thanks to its innovative formula the joint is water-resistant after just 2 hours.

APPLICATIONS:

- Joints in high humidity areas such as kitchens, bathrooms or toilets
- Joints between ceramic tiles in wall corners and between wall and floor
- Sealing around bathtubs, washbasins and shower trays

TECHNICAL PARAMETERS:

- Colours: white, transparent
- System of curing: acetate
- Curing rate: 2–4 mm/ 24 h (+23°C, 50% RH)

BENEFITS:

- 10 year warranty for the anti-mould properties of the joint
- Becomes water resistant after just 2 h from application
- Fast curing rate
- Waterproof
- Permanently flexible
- Resistant to cleaning agents and detergents
- Excellent adhesion to ceramic surfaces

Product name	Content	Packaging	Pieces per box	Pieces per pallet
UPG Express Sanitary Silicone	310 ml	Cartridge	12	1 440
	60 ml	Tube	12	2 016

Acrylic Bathtubs & PVC Sanitary Silicone



Fast curing silicone containing fungicides that protect joints against fungi and mildew. It has a perfect adhesion, especially to acrylic bathtubs and PVC. With its neutral cure formula, it is virtually odourless and does not cause corrosion. Once cured, it creates a non-shrink and elastic joint.

APPLICATIONS:

- Sealing joints around acrylic bathtubs, washbasins, PVC shower cubicles, shower trays and pools
- Pointing joints in ceramic tiles and corner joints

BENEFITS:

- Strong adhesion to acrylic and PVC surfaces
- Resistant to mould and fungus growth
- Does not cause corrosion

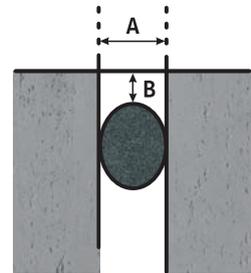
TECHNICAL PARAMETERS:

- Colour: white
- System of curing: neutral
- Curing rate: 2,0 mm/ 24 h (+23°C, 50% RH)

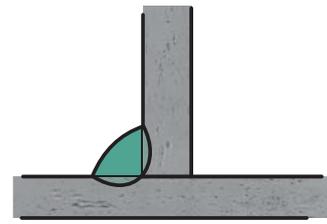
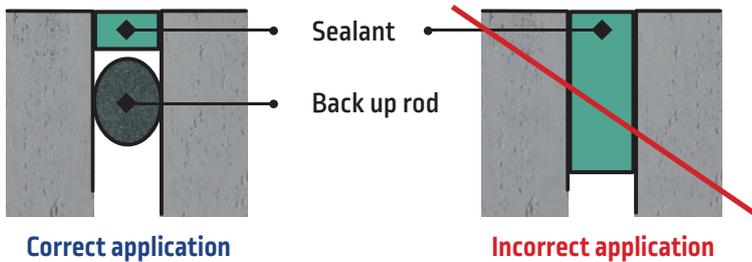
Product name	Content	Packaging	Pieces per box	Pieces per pallet
Acrylic Bathtubs & PVC Sanitary Silicone	310 ml	Cartridge	12	1 440

How to apply silicone properly

1. Substrate preparation: both surfaces must be clean and degreased, and the old sealant must be completely removed (for example with Remover)
2. Designing a joint: in order to avoid cracking and loosening of the bonding, proper working conditions must be secured.
 - the minimum depth of the joint should be 4 mm, maximum 12 mm, the recommended depth is 6 mm
 - the minimum width of the joint should be 6 mm, maximum 25 mm
 - for joints up to 12 mm wide, the depth of the joint should be 6 mm
 - for joints over 12 mm wide, the ratio of width to depth should be 2:1, when the depth of the joint does not exceed 12 mm
 - in spots where deeper joints are needed and wherever necessary, an insertion of elastic permanent filler, for example back up rod is necessary. Note that the minimum depth of the sealant over the back up rod should be 6 mm
 - in moving joints, the fillet weld should be avoided as it may cause joint damage. The insertion of the back up rod ensures 2-sided adhesion and the proper tensile strength of the joint



A – the width of expansion gap
B – the depth of sealant over back up rod



- in spots where fillet weld is required, the minimum adhesion point to each surface should be 6 mm

Kitchen & Bath Siliconized Acrylic



Sealant that, once cured, creates a flexible and paintable joint. Contains fungicides preventing growth and development of mould. It has a perfect adhesion to most substrates and can be applied on wet surfaces. Does not require any primer. Once cured, creates a smooth and easy-to-clean surface. Practically odourless.

APPLICATIONS:

- Pointing joints in wall corners
- Filling cracks in walls, floors and ceilings
- Sealing door and window frames, window sills and balustrades
- Pointing joints in ceramic tiles, around washbasins, shower cubicles and bathtubs in high humidity areas
- Pointing joints in construction elements exposed to low tensions

BENEFITS:

- Does not cause corrosion
- Can be applied on wet substrates
- Resistant to mould and fungus growth
- Can be used in sanitary applications

TECHNICAL PARAMETERS:

- Colour: white, transparent (becomes transparent after curing)
- Curing rate: 1,5 mm/ 24 h (+23°C, 50% RH)

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Kitchen & Bath Siliconized Acrylic	310 ml	Cartridge	12	1 440

Marble & Stone Silicone

Flexible and durable sealant designed for stone work. Due to its neutral curing formula and the lack of any solvents, the product does not discolour natural stone and is safe for sensitive substrates, such as copper or mirror silver. Resistant to changing weather conditions, UV radiation and high temperature differences.



APPLICATIONS:

- Pointing joints and filling expansion joints in marble, granite or stone floors
- Sealing sinks with stone tops
- Pointing joints around mirrors
- Bonding mirrors to the wall

TECHNICAL PARAMETERS:

- Colour: transparent
- System of curing: neutral

BENEFITS:

- Does not discolour natural stone
- Excellent adhesion
- UV and weather resistant
- Fast curing

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Marble & Stone Silicone	310 ml	Cartridge	12	1 440

Mounting Adhesive for Mirrors

High-quality adhesive recommended for bonding silver mirrors to common building substrates (ceramic tiles, wood, concrete, metal, drywall).



APPLICATIONS:

- Bonding silver mirrors
- Bonding other finishing materials, including ceramic tiles, boards or profiles

TECHNICAL PARAMETERS:

- Colour: beige
- Application temperature: +10°C to +30°C
- Temperature resistance: -20°C to +60°C
- Open time: 10–20 min
- Full cure: 72 h

BENEFITS:

- Excellent adhesion to most substrates
- Very high bonding strength
- Neutral to the silver mirror surface
- Strong initial grab
- Moisture resistant joint

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Mounting Adhesive for Mirrors	310 ml	Cartridge	12	1 440

How to fix a mirror

Mirrors are essential elements in every bathroom due to their aesthetic and practical function. They can be affixed or mounted on walls in a variety of ways depending on the investor's preferences. The first method is mechanical and it involves drilling tiles or walls in order to insert wall plugs and using extra hangers.

Another method is fixing a mirror directly to the substrate (wall or tiles). Here it is important to proceed as follows:

- the choice of proper adhesive
- correct application

How to choose proper adhesive:

In order to make the right choice, we need to know beforehand what is the type of the mirror we want to fix or, to be precise, what kind of coating it has. Until recently the most popular mirrors were silvered. For these mirrors we have a classic adhesive for mirrors, which, although solvent-based, do not interact with the silvered cover.

Nowadays, the silvered glass mirrors are being gradually replaced by varnished glass mirrors which fall in two categories: silver varnished and colour varnished. The varnish coat on silver varnish mirrors protects the mirrors against damage during transportation while in coloured mirrors it has mainly a decorative function. Regardless of the type of varnish, be it protective or decorative, all these mirrors need to be fixed with the new generation adhesive which is safe for the coat of varnish.

All the adhesives from the MS Polymer-based line fulfil this requirement (Power Flex, Vector Rapid, Gallop Fix). It has to be mentioned that the above mentioned adhesives pass the test with the silvered mirrors, too. Application of the new generation adhesives makes the fixing procedure much easier thanks to their specific properties. And so, the Vector Rapid enables you to fix a mirror without using supports thanks to its strong and fast initial grip, whereas the Gallop Fix shortens the curing time eightfold.

How to apply adhesive correctly:

When using a solvent-based adhesive:

The substrate must be clean, dusted, dry and level. Apply the adhesive on the mirror surface in vertical, parallel stripes (about every 5 cm). Make sure the stripes are separated as this facilitates the drying process.



Correct application



**Attention!
Incorrect application**

Put the mirror to the substrate and press firmly and evenly. In case of fixing mirrors of the surface larger than 0,15 m², they should be secured with the supporting elements to prevent sliding. Leave until bonding is completely cured. If you plan to seal the edges of the mirror, it should be performed only after the full curing of the adhesive (i.e. after solvent evaporation ca. 72 h).

When using a MS Polimers-based adhesive:

Clean, dust, dry and even out the substrate. Spot apply the adhesive on the surface with vertical or zigzag motions. Moisten the surface lightly to speed up drying.



Correct application

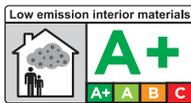


**Attention!
Incorrect application**

Put mirror against the wall and press firmly and evenly. Leave until bonding is completely cured. If you plan to seal the edges, it can be done with the same adhesive (or with a neutral silicone) only after the complete curing of the adhesive. (in case of Gallop Fix ca. 3 h, in case of Vector Rapid ca 24 h).

Power Flex

Mounting Adhesive & Sealant



High quality adhesive & sealant based on MS Polymer. It is indispensable during renovations, where many different materials require bonding and sealing. The product in typ "2 in 1" which combines the advantages of traditional mounting adhesives and sealants, while eliminating their disadvantages. The product is available in a wide range of colours: transparent (100% crystal clear), white, grey, anthracite, brown, black.

APPLICATIONS:

- As an adhesive:
 - bonds all types of building materials, e.g. natural stone, brick, concrete, glass, mirror, wood, metal, polystyrene, plastics (except PE, PP, Teflon, bitumen)
- As a sealant:
 - it can replace perfectly sanitary silicone, neutral silicone, glazing silicone, roofing sealant, polyurethane sealant and other

TECHNICAL PARAMETERS:

- Colours: transparent (100% crystal clear), white, gray, anthracite, brown, black.
- Working time: 10–20 min
- Curing rate: 2–4 mm/ 24 h
- Application temperature: +5°C to +30°C
- Temperature resistance: -40°C to +90°C
- Low emission product (transparent version)

BENEFITS:

- High bonding strength: 300 kg/ 10 cm²
- Excellent adhesion to all substrates
- Very flexible joint
- No after-shrinkage
- Resistant to fungi and mould
- Waterproof joint
- Very high chemical and mechanical resistance
- For interior and exterior
- Ecological: does not contain solvents, silicones and isocyanates
- Neutral: does not corrode metals, does not damage delicate surfaces
- The joint can be painted
- 10 year warranty for the joint

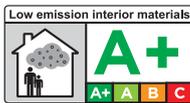
Product name	Content	Packaging	Pieces per box	Pieces per pallet
Power Flex	310 ml	Cartridge	12	1 440
	100 ml	Tube on blister	12	1 080

COLOUR CHART



Gallop Fix

Fast Curing Mounting Adhesive



Fast curing and very strong mounting hybrid based adhesive. It is indispensable in a situation where we expect rapid bonding effect (when you want to quickly use bonded elements). It forms a very strong bond that can be loaded to already after 20 minutes since the application, and its full strength already reached after approx. 3 hours. The weld formed perfectly dampens vibrations, is resistant to weather, UV radiation and diluted chemicals.

APPLICATIONS:

- Bonding a wide range of finishing materials to typical surfaces such as: concrete, plaster, chipboard, wood, bricks, glass
- Bonding skirting boards, pedestals, thresholds, panels, ceramic tiles
- Bonding decorative elements of wood, cork, chipboard, metal, stone, laminates, expanded polystyrene (EPS), marble
- Bonding plastics (except PE, PP and Teflon)
- Bonding mirrors

BENEFITS:

- Dries 8 x faster
- They can be loaded after 20 min
- Very high bonding strength: up to 400 kg/10 cm²
- Bonds all materials
- Can be used on damp substrates
- Water resistant
- For interior and exterior
- E ecological: does not contain solvents, silicones and isocyanates
- Neutral: does not corrode metals, does not damage delicate surfaces
- The joint can be painted

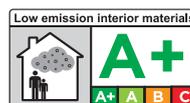
TECHNICAL PARAMETERS:

- Colour: white
- Correction time: 5 min
- Full strength after approx. 3 h
- Temperature resistance: -30°C to +90°C
- Low emission product

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Gallop Fix	310 ml	Cartridge	12	1 440
	100 ml	Tube on blister	12	1 080

Vector Rapid

Mounting Adhesive High-Tack



MS-Polymer based adhesive with very high initial tack (200 kg/m²), designed for all mounting and finishing works. Indispensable in a situation where bond (especially heavy) elements to the walls, facades or ceilings-bonding without support.

APPLICATIONS:

- Excellent adhesion to all substrates used in construction (with the exception of PP, PE, Teflon and bitumen): wood, glass, mirror, metal, stone, PVC, ceramic tiles, polystyrene, brick, plaster, marble e.t.c
- Especially recommended for bonding elements to walls, facades or ceilings (also heavy ones), without using mechanical fasteners, e.g., it is well suited for bonding mirrors

BENEFITS:

- Strong initial grab: 200 kg/m²
- Very high bonding strength: 350 kg/10 cm²
- Bonds all materials
- Waterproof joint
- Very high chemical and mechanical resistance
- For interior and exterior
- Ecological: does not contain solvents, silicones and isocyanates
- Neutral: does not corrode metals, does not damage delicate surfaces
- The joint can be painted

TECHNICAL PARAMETERS:

- Working time: 15 min
- Curing rate: 3 mm/24 h
- Application temperature: +5°C to +30°C
- Temperature resistance: -40°C to +90°C
- Colour: white, grey, anthracite, brown, black
- Low emission product (transparent version)

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Vector Rapid	310 ml	Cartridge	6	1 440
	100 ml	Tube on blister	12	1 080



SILICONES

Universal Silicone	Sanitary Silicone	Neutral Building Silicone	Aquarium & Glazing Silicone	Sanitary UPG Silicone Express	Bathtubs & PVC Sanitary Silicone	Marble & Stone Silicone	High Temperature Silicone	Neutral Sanitary Silicone
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TECHNICAL PARAMETERS

Basis	acetoxi	acetoxi	neutral	acetoxi	acetoxi	neutral	neutral	acetoxi	neutral
Density (ISO 2811-1) [g/ml]	0,97 ± 0,01	0,97 ± 0,01	0,95 - 0,98	1,02 ± 0,01	0,98 ± 0,01	0,99 ± 0,01	1,01 ± 0,01	1,02	0,99 ± 0,01
Cure rate [mm/ 24 h]	2	2	2-3	2-3	2-3	1-2	2-3	4	2-3
Skin formation [min]	5-15	5-15	5-15	5-30	5-15	5-45	5-20	10-15	5-30
Hardness Shore A (ISO 868)	17 ± 1	17 ± 1	18 ± 2	24 ± 2	19 ± 2	19 ± 3	25 ± 2	27	21 ± 3
Elongation at break (ISO 8339) [%]	170 ± 50	170 ± 50	150 ± 50	113 ± 7	125 ± 10	320 ± 70	450 ± 50	375 ± 25	230 ± 50
Movement accommodation (ISO 9047) [%]	±20	±20	±20	±20	±20	±25	25	20	±20
Elasticity modulus 100% (ISO 8339) [MPa]	0,32 ± 0,07	0,32 ± 0,07	0,35 ± 0,05	0,45 ± 0,05	0,45 ± 0,05	0,35 ± 0,05	0,28 ± 0,02	0,42 - 0,47	0,30 ± 0,05
Elastic recovery (ISO 7389) [%]	95 ± 4	95 ± 4	97 ± 2	97 ± 2	95 ± 2	79 ± 9	97 ± 2	> 95	80-95
Application temperature [°C]	+5 to +40	+5 to +40	+5 to +40	+5 to +40	+5 to +40	+5 to +40	+5 to +40	+5 to +40	+5 to +40
Temperature resistance [°C]	-40 to +100	-40 to +100	-40 to +120	-50 to +180 (+205)	-40 to +100	-40 to +120	-50 to +150	-50 to +250	-40 to +120
Resistance to fungi and mold	■	■■	■	■	■■■	■■	■	■	■■
Paintability	-	-	-	-	-	-	-	-	-

APPLICATION

Interior	++	++	++	++	++	++	++	++	++
Exterior	++	++	++	++	++	++	++	++	++
High humidity areas	+	++	+	++	++	++	+	+	++
Aluminum	+	+	+	++	+	++	++	++	+
Stainless steel	+	+	++	+	+	++	++	++	++
Ceramic tile	++	++	++	++	++	++	++	+	+
Glass	++	++	++	++	++	++	++	+	+
Wood	++	++	++	++	++	++	++	++	++
PVC	+	+	++	++	+	++	++	+	++
Natural stone	-	-	-	-	-	+	++	-	+
Brick	-	-	++	-	-	++	++	+	++
Concrete	-	-	+	-	-	+	++	-	+
Plaster	-	-	+	-	-	++	++	-	+
Clinker tile	+	+	++	++	+	++	++	++	++

++

RECOMMENDED

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CAN BE USED

-

DON'T USE



MOUNTING ADHESIVES

	POWER FLEX	VECTOR RAPID	GALLOP FIX	CLASSIC FIX	Multi-Use	Mounting Adhesive for Mirror	FAST FIX	Heavy Duty	Hydro Fix	PU Mounting Adhesive
Main benefit	adhesive & sealant	high-tack	fast drying	transparent	universal		high-tack	can be use in	transparent	extreme strong

TECHNICAL PARAMETERS

Basis	MS Polymer	MS Polymer	MS Polymer	solvent	solvent	solvent	acrylic	solvent	acrylic	PU
Bonding strength (kg / 10 cm²)	300	350	400	220	220	250	200	400	200	400
Initial tack (kg / m²)	-	200	-	-	-	-	200	150		
Open time (min)	10-20	~15	~5	10 - 15	10 - 15	10 - 15	4 - 10	5-10	20 - 30	8-10
Full cure (h)	24	24	"80% : 20 min 100%: 3 h"	48-72	48-72	48-72	24-48	48-72 h	72	24
Application temperature [°C]	+5 - +30	+10 - +25	+5 - +30	+10 - +30	+10 - +30	+10 - +30	+10 - +30	-20 - +30	+10 - +30	+5 - +30
Temperature resistance [°C]	-40 - +90	-40 - +90	-30 - +90	-20 - +60	-20 - +60	-20 - +60	-20 - +70	-20 - +60	-20 - +60	-40 - +100
Elasticity	+++	++	++	+	+	+	+	+	+	-

APPLICATION

Interior	+	+	+	+	+	+	+	+	+	+
Exterior	+	+	+	+	+	+	+	+	-	+
For damp rooms	++	++	++	+	+	++	-	+	-	+
Restrictions on use	-	-	-	Solvent sensitive surfaces	Solvent sensitive surfaces	Solvent sensitive surfaces	One surface must be absorbent	Solvent sensitive surfaces	One surface must be absorbent	-
Wood	++	++	++	++	++	+	++	++	++	++
Polystyrene	++	++	++	-	-	-	++	-	++	++
Metal	++	++	++	+	++	+	+	++		++
Glass	++	++	++	++	+	++	+	+	++	+
Mirror	++	++	++	-	-	++	-	-		
PVC	++	++	++	++	++	+	+	++	+	+
Ceramic tile	++	++	++	+	+	++	++	+		
Natural stone	++	++	++	-	-	-	+	-	+	++

++

RECOMMENDED

+

CAN BE USED

-

DON'T USE

YIELD OF SEALANTS

THE SIZE OF THE JOINT		YIELD VS CAPACITY*					
WIDTH	DEPTH	20 ml	60 ml	80 ml	280 ml	310 ml	600 ml
6 mm	4 mm	0,83 rm	2,50 rm	3,33 rm	11,67 rm	12,92 rm	25,00 rm
6 mm	6 mm	0,56 rm	1,67 rm	2,22 rm	7,78 rm	8,61 rm	16,67 rm
7 mm	6 mm	0,48 rm	1,43 rm	1,90 rm	6,67 rm	7,38 rm	14,29 rm
8 mm	6 mm	0,42 rm	1,25 rm	1,67 rm	5,83 rm	6,46 rm	12,50 rm
9 mm	6 mm	0,37 rm	1,11 rm	1,48 rm	5,19 rm	5,74 rm	11,11 rm
10 mm	6 mm	0,33 rm	1,00 rm	1,33 rm	4,67 rm	5,17 rm	10,00 rm
11 mm	6 mm	0,30 rm	0,91 rm	1,21 rm	4,24 rm	4,70 rm	9,09 rm
12 mm	6 mm	0,28 rm	0,83 rm	1,11 rm	3,89 rm	4,31 rm	8,33 rm
14 mm	7 mm	0,20 rm	0,61 rm	0,82 rm	2,86 rm	3,16 rm	6,12 rm
16 mm	8 mm	0,16 rm	0,47 rm	0,63 rm	2,19 rm	2,42 rm	4,69 rm
18 mm	9 mm	0,12 rm	0,37 rm	0,49 rm	1,73 rm	1,91 rm	3,70 rm
20 mm	10 mm	0,10 rm	0,30 rm	0,40 rm	1,40 rm	1,55 rm	3,00 rm
22 mm	11 mm	0,08 rm	0,25 rm	0,33 rm	1,16 rm	1,28 rm	2,48 rm
24 mm	12 mm	0,07 rm	0,21 rm	0,28 rm	0,97 rm	1,08 rm	2,08 rm

* rm - running meter

Joint Finger Set

Professional silicone application kit with four differently shaped tools for dispensing and finishing the joint before it cures.



Product name	Packaging	Pieces per box
Joint Finger Set	Box	4

Vector

Heavy Duty Caulking Gun



Very high quality, professional and easy to use extruder for application of sealants and adhesives in 310 ml cartridges.

BENEFITS:

- Compact construction
- Very long life
- Very high quality

TECHNICAL PARAMETERS:

- For 310 ml cartridges

Product name	Packaging	Pieces per box
Vector Heavy Duty Caulking Gun	Box	1

Profi

Skeleton Gun



High quality gun for dispensing sealants and adhesives in 310 ml cartridges.

BENEFITS:

- Rigid steel structure resistant to deformation and bending
- Firm handle grip

TECHNICAL PARAMETERS:

- For 310 ml cartridges

Product name	Packaging	Pieces per box
Profi Skeleton Gun	Box	1

Standard

Skeleton Gun



Easy-to-use professional extruder for application of sealants in 310 ml cartridges.

BENEFITS:

- Compact construction
- Very long life

TECHNICAL PARAMETERS:

- For 310 ml cartridges

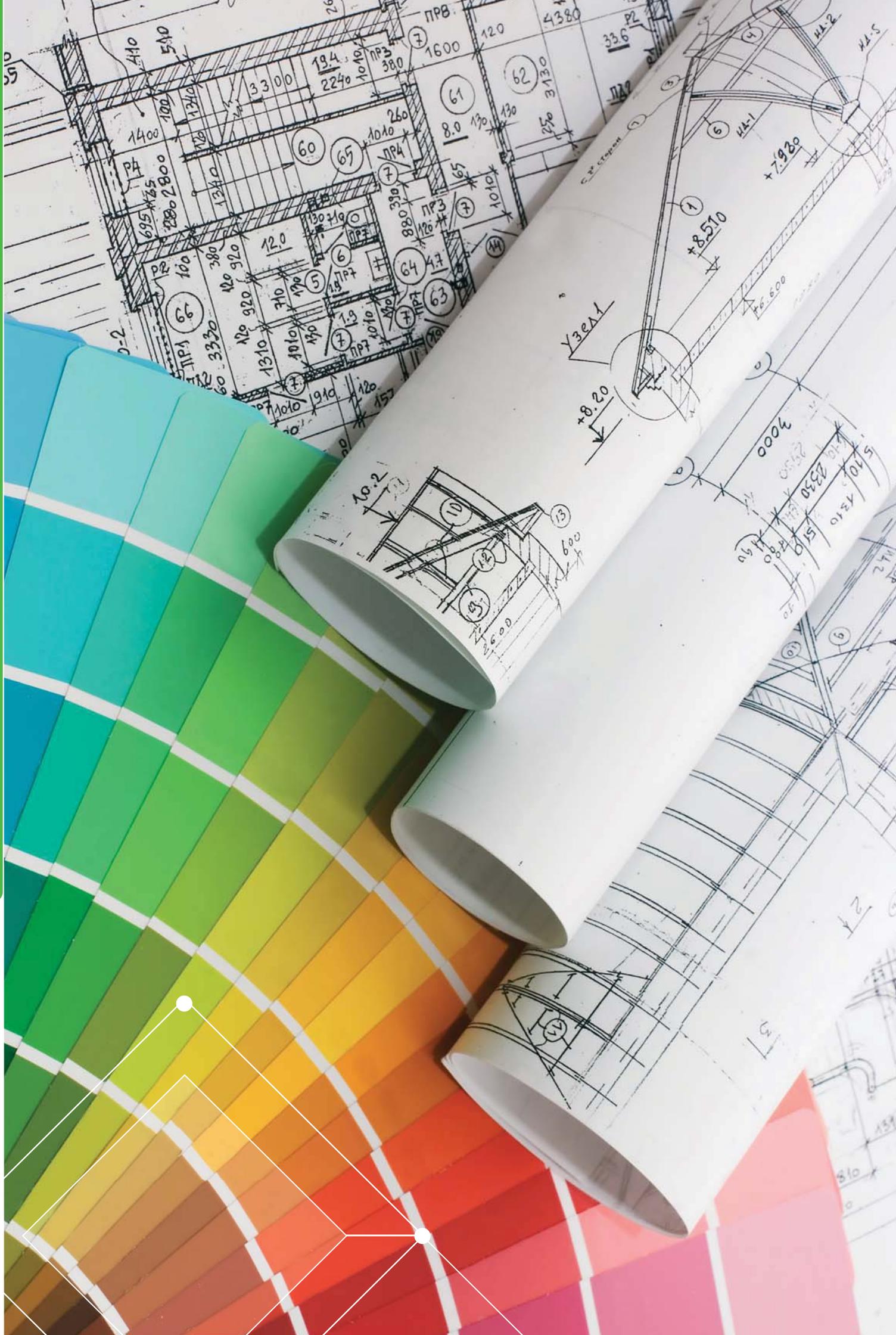
Product name	Packaging	Pieces per box
Standard Skeleton Gun	Box	1



WALLS & CEILINGS

- 182 Regular Plus Interior Acrylic Paint
- 182 Latex Plus Interior Latex Paint
- 183 Aqua Plus Interior Colloidal Silicate Paint
- 183 Invest Dynamic Interior Acrylic Paint
- 184 NEO Lazur Interior Lazure Paint
- 184 Finish Plus Dolomite Plaster Putty
- 185 Multigrunt Primer
- 185 Universal Primer Concentrate
- 185 Deep Penetrating Primer
- 186 Universal Acrylic
- 186 Painters Acrylic Express
- 187 Rapid Filler Light Acrylic
- 188 Masking Tape
- 188 Premium Masking Tape
- 189 Masking Tape 14 Days
- 189 Cover Foil
- 189 Cover Foil with Tape
- 190 Power Flex Mounting Adhesive & Sealant
- 191 Gallop Fix Fast Curing Mounting Adhesive
- 191 Vector Rapid Mounting Adhesive High-Tack
- 192 Classic Fix Transparent Mounting Adhesive
- 192 Hydro Fix Transparent Mounting Adhesive
- 193 Fast Fix Mounting Adhesive High-Tack
- 193 Multi Use Mounting Adhesive
- 194 60 Seconds Fast Foam Adhesive

Kitchens & Bathrooms 151



WALLS & CEILINGS

For our walls and ceilings to be a showcase of our rooms and to be safe and durable we should take care of several aspects. First of all the substrate preparation. The substrate should be clean, dry, without cracks or voids. Smaller cracks and voids can be eliminated with the use of Rapid Filler compound. In order to balance the substrate absorptivity and to enhance the grip of the wall, the priming of these surfaces should be carried out. The recommended primers at this stage are Multigrunt. After priming the ideal smoothness of walls and ceilings can be obtained thanks to Finish Plus Dolomite Plaster Putty. This ready-to-use mixture of bonding agents, dolomite filler and modifiers is perfect for manual application or with the use of airless hydrodynamic unit. The compound speeds the work up, dries quickly and leaves the surface snow white. To seal corners and smooth out any irregularities after sanding, we recommend Universal Acrylic which can be also used for sealing door jambs, window frames and sills at points of contact with walls. These points are especially exposed to the risk of cracking, for example the connections between a plasterboard suspended ceiling and a wall. This is why we fill them with Drywall Acrylic which forms a very elastic and exceptionally resilient joint. Finally walls and ceilings should be primed one more time before painting.

Professional Interior Paints

The choice of the right paint adds a touch of character to the interior. The paint should harmonize with the general design and create unique ambient. It should also be long lasting, easy to use and safe. For the living room or in the bedroom we recommend the Regular Plus Acrylic Paint. Latex Plus Paint is recommended for intensively used rooms such as the kitchen or the dining room and on all the walls and ceilings which require intensive and frequent washing and scrubbing in such places as restaurants, canteens, offices etc. In poorly ventilated places, with high moisture level which are, we should use antifungal paints which prevent the growth of fungi and moulds on walls. The product dedicated for such premises is Aqua Plus Hybrid Paint.



REGULAR PLUS Acrylic Paint

Living rooms, bedrooms,
bathrooms, offices,
conference halls



INVEST DYNAMIC Acrylic Paint

Residential rooms,
offices and utility
rooms



LATEX PLUS Latex Paint

Intensively used rooms,
kitchens, canteens



AQUA PLUS Colloidal Silicate Paint

Bathrooms, spa rooms,
damp, poorly ventilated
rooms



Regular Plus

Interior Acrylic Paint



The interior acrylic paint Regular Plus of Decorative System is designated for primary and renovation painting of all mineral substrates, such as: gypsum plaster, cement plaster, cement and lime plaster, lime plaster, mineral and acrylic plaster, concrete and gypsum-carton boards. Recommended for painting walls and ceilings inside “dry” residential rooms, such as living rooms, dining rooms, bedrooms, halls, offices and conference rooms.

BENEFITS:

- SCRUB resistant – resistant to scrubbing and washing
- COLOUR safe perfect coat
- USER friendly – easy-to-use (manual and spray)
- Excellent covering-up properties
- High efficiency
- Deep matt coat
- No splash effect
- No streaking effect
- COLOUR system – wide range of colours
- Based on acrylic dispersion

TECHNICAL PARAMETERS:

- Resistance to wet scrubbing: class III acc. to PN-EN 13300; class I acc. to PN-C-81914:2002
- Application temperature: +5°C to +25°C
- Drying time: ca. 3–6 h depending on drying conditions
- Coverage rate* in one layer: ca. 7–8 m², two layers: from 4–5 m²
- Gloss grade: matt
- 9 l bucket coverage in two layers: up to 54 m²

* Assumed consumption: depending on the smoothness and absorption of the substrate, on average approx. 0,2 l/m² with two coats.

Product name	Content	Packaging	Pieces per pallet	Colours
Regular Plus Interior Acrylic Paint DS32	9 l	Bucket	33	White or in accordance with the Tytan Colour Collection
	4,5 l	Bucket	100	
	2,5 l	Bucket	120	

Latex Plus

Interior Latex Paint



The interior latex paint Latex Plus of the Decorative System is suitable for primary and renovation coating of all mineral substrates: gypsum, cement, cement-lime plasters, mineral and acrylic plasters, concrete and gypsum plaster boards. Recommended for painting walls and ceilings in heavy duty rooms, such as kitchens and dining rooms, restaurant interiors, office rooms and wherever the highest resistance to washing and scrubbing is required.

BENEFITS:

- Easy-to-clean
- SCRUB resistant – supreme resistance to scrubbing and washing
- COLOUR safe supreme coating
- USER friendly – comfortable application (manual and spray)
- Excellent covering-up properties
- Highest efficiency
- Deep matt coat
- No splash effect
- No streaking effect
- COLOUR system – wide range of colours
- Based paint with latex resin

TECHNICAL PARAMETERS:

- Resistance to wet scrubbing: class I acc. to PN-EN 13300; class I acc. to PN-C-81914:2002
- Application temperature (surface, air, materials): +5°C to +25°C
- Drying time: ca. 3–6 h depending on drying conditions
- Coverage rate* in one layer: ca. 12 m², two layers: from 7 m²
- Gloss grade: matt or semi-matt
- 9 l bucket coverage in two layers: up to 60 m²

* Assumed consumption: depending on the smoothness and absorption of the substrate, on average approx. 0,2 l/m² with two coats.

Product name	Content	Packaging	Pieces per pallet	Colours
Latex Plus Interior Latex Paint DS33	9 l	Bucket	33	White or in accordance with the Tytan Colour Collection
	4,5 l	Bucket	100	
	2,5 l	Bucket	120	

Aqua Plus

Interior Colloidal Silicate Paint



The interior colloidal silicate paint Aqua Plus of the Decorative System is suitable for primary and renovation coating of all seasoned mineral substrates, such as: gypsum plaster boards, gypsum, cement, concrete, cement-lime plasters, mineral, acrylic and silicate plasters. Recommended especially for painting walls and ceilings in wet rooms, such as bathrooms, swimming-pools and kitchens, and in all types of rooms in dry buildings.

BENEFITS:

- MYKO secure – reduces mould and fungi growth
- Resistant to moisture
- Water vapour permeable – breathable
- SCRUB resistant – resistant to scrubbing and washing
- COLOUR safe supreme coating
- USER friendly – easy-to-use (manual and spray)
- Smooth matt coat
- No splash effect
- No streaking effect
- COLOUR system – wide range of colours
- Based paint with silicon resin

TECHNICAL PARAMETERS:

- Resistance to wet scrubbing: class III acc. to PN-C-81914:2002
- Application temperature (surface, air, materials): +5°C to +25°C
- Drying time: ca. 3-6 h depending on drying conditions
- Coverage rate* in one layer: ca. 10 m², two layers: from 6 m²
- Gloss grade: matt
- 4,5 l bucket coverage in two layers: up to 27 m²

* Assumed consumption: depending on the smoothness and absorption of the substrate, on average approx. 0,2 l/m² with two coats.

Product name	Content	Packaging	Pieces per pallet	Colours
Aqua Plus Interior Colloidal Silicate Paint DS34	4,5 l	Bucket	100	White or in accordance with the Tytan Colour Collection

Invest Dynamic

Interior Acrylic Paint



The interior acrylic paint Invest Dynamic of the Decorative System is designated for primary and renovation painting of all mineral substrates: gypsum plaster, cement plaster, cement and lime plaster, lime plaster, mineral and acrylic plaster, concrete and gypsum-carton boards. Recommended for painting walls and ceilings inside “dry” residential rooms, such as offices, utility rooms, industrial space, warehouses and residential buildings.

BENEFITS:

- USER friendly – easy-to-use (manual and spray)
- Good covering-up properties
- Good efficiency
- Resistant to dry scrubbing
- Smooth matt coat
- No splash effect
- No streaking effect
- Based on acrylic dispersion

TECHNICAL PARAMETERS:

- Resistance to wet scrubbing: class III acc. to PN-EN 13300; class III acc. to PN-C-81914:2002
- Application temperature (surface, air, materials): +5°C to +25°C
- Drying time: ca. 3–6 h depending on drying conditions
- Coverage rate* in one layer: ca. 7–8 m², two layers: from 4–5 m²
- Gloss grade: matt
- 10 l bucket coverage in two layers: up to 50 m²
- Parameters for spraying with AIRLESS type equipment:
 - pressure: 150–180 bar
 - spraying angle: 50°
 - nozzle size: 0,015–0,017 inch
 - filter: 50 mesh

* Assumed consumption: depending on the smoothness and absorption of the substrate, on average approx. 0,2 l/m² with two coats.

Product name	Content	Packaging	Pieces per pallet	Colours
Invest Dynamic Interior Acrylic Paint DS31	10 l	Bucket	33	White

NEO Lazor

Interior Lazure Paint

Interior Lazure Paint is recommended as a unique and decorative wall finish. It provides a semi-transparent surface, which enables you to create an individual and unique effect on the painted wall, depending on the selected finishing technique.



APPLICATIONS:

- For interior use
- Fine resin plasters for modelling
- Seasoned mineral substrates, mineral and acrylic plasters, drywall
- Hotels, restaurants, pubs
- Living rooms, halls

TECHNICAL PARAMETERS:

- Application temperature: +5°C to +25°C
- Drying time: < 3 h
- Consumption: 0,1 l/m² (for 1 coat of paint)
- Gloss grade: matt or semi-matt

BENEFITS:

- Semi-transparent
- Can be applied „colour on colour”

Product name	Content	Packaging	Pieces per pallet	Colours
NEO Lazor Interior Lazure Paint	1 l	Bucket	432	Transparent or in accordance with the Tytan Colour Collection

Finish Plus

Dolomite Plaster Putty

Finish Plus dolomite plaster putty of the Decorative System is recommended for final preparation of all seasoned mineral substrates before painting.



APPLICATIONS:

- For interior use
- Seasoned mineral substrates, mineral and acrylic plasters, drywall

TECHNICAL PARAMETERS:

- Application temperature: +5°C to +25°C
- Drying time: 3–24 h
- Consumption: 1,8 kg/m²

BENEFITS:

- USER friendly – easy-to-use (manual and spray)
- For levelling walls and ceiling
- Durable
- White colour

Product name	Content	Packaging	Pieces per pallet	Colours
Finish Plus Dolomite Plaster Putty DS21	9 l	Bucket	72	White
	19 l	Bucket	36	White
	25 l	Bucket	40	White

Multigrunt

Primer



Multigrunt is a concentrated primer based on two types of acrylic dispersions that strengthen the substrate, leveling the absorbency and increasing the adhesion of screeds, adhesives, plasters, and interior and exterior paints. It penetrates the substrate, strengthens the surfaces, binds the loose particles and limits the water absorption of the substrate.

APPLICATIONS:

- Cement substrate, gypsum, anhydrite, plasterboard, autoclaved aerated concrete blocks, cement plasters, cement-lime plasters, gypsum plasters

BENEFITS:

- Concentrated
- Increases adhesion
- Strengthens substrate
- For internal and external use
- For adhesives, plasters, paints and floor levelling

TECHNICAL PARAMETERS:

- Application temperature (substrate, air, materials): +5°C to +25°C
- Consumption without dilution: approx. 0,2 l per 1 m²/l depending on the evenness and absorption of substrate
- Drying time: approx. 3 h
- Drying time before continuing work: 6 h after priming

Product name	Content	Packaging	Pieces per pallet	Colours
Multigrunt Primer S01	5 l	Canister	108	Transparent

Universal Primer Concentrate



Universal primer concentrate for absorbent and porous substrates, both for interior and exterior use.

APPLICATIONS:

- Priming absorbent and porous substrates (cellular concrete, concrete, cement boards, gypsum boards, drywalls, gypsum, cement and cement-lime plasters)
- Primer for paints, plasters, wallpapers, cement jointless floors, levelling and self-levelling floors, spackling pastes, adhesives, ceramic tiles, acrylic and mineral mixtures
- Protective coating for screed

TECHNICAL PARAMETERS:

- Consumption: 0,01–0,05 l/m²
- Coverage: even up to 400 m², dilution 1:5

BENEFITS:

- Reduces absorption of porous substrates
- Reinforces substrates to be covered with wallpaper and tiles
- Increases adhesion to the substrate
- Facilitates removal of wallpaper during renovation
- Increases resistance and flexibility of the substrate
- For interior and exterior use

Product name	Content	Packaging	Pieces per pallet
Universal Primer	5 l	Canister	108

Deep Penetrating Primer



Fine-particle acrylic emulsion primer for absorbent and porous substrates, both for interior and exterior use. The primer deeply penetrates into the substrate.

APPLICATIONS:

- Priming absorbent and porous substrates (cellular concrete, concrete, cement boards, gypsum boards, drywalls, gypsum, cement and cement-lime plasters)
- Coating for paints, plasters, wallpapers, cement jointless floors, levelling and self-levelling floors, spackling pastes, adhesives, ceramic tiles, acrylic and mineral mixtures
- Protective coating for screed

TECHNICAL PARAMETERS:

- Consumption: 0,05–0,2 l/m²

BENEFITS:

- Penetrates deeply into the substrate
- Increases adhesion to the substrate
- Reinforces the substrate, eliminating dusting or excessive abrasion
- Protects the substrate against damage from moisture
- Reduces absorption of porous substrates
- For interior and exterior use

Product name	Content	Packaging	Pieces per pallet
Deep Penetrating	5 l	Canister	108

Acrylic

Universal Acrylic

Construction sealant recommended for filling gaps, cracks and crevices in walls. Designed for both interior and exterior use. It can be applied on wet substrates. It has an excellent adhesion to porous substrates, such as concrete, plaster, brick, wood or drywall.



APPLICATIONS:

- Filling gaps, cracks and joints in walls and ceilings before painting
- Pointing joints between the wall and skirting boards, stairs, ceiling and around electrical sockets
- Sealing door and window frames, window sills and balustrades

TECHNICAL PARAMETERS:

- Colour: white, grey, brown
- Curing rate: 1,0 mm/ 24 h (+23°C, 50% RH)

BENEFITS:

- Excellent adhesion to common construction materials
- Paintable

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Acrylic Universal Acrylic	310 ml	Cartridge	12	1 440
	600 ml	Foil	12	1 152

Painters Acrylic Express

A flexible acrylic sealant designed to fill cracks and crevices in walls or ceilings. It is characterized by an excellent adhesion to porous surfaces such as concrete, plaster, brick, wood, ceramics or drywall. Thanks to the product's innovative anti-crack and anti-stain formula the joint can be sanded and painted, without the risk of cracks and discolorations. The cured joint imitates the texture of a wall putty and blends in with the substrate. The joint is ready for painting after just 10 minutes.



APPLICATIONS:

- Filling cracks, gaps and scratches in walls and ceilings
- Filling wall corners
- Pointing joints between the wall and skirting boards, stairs, ceiling, and around electrical sockets
- Sealing door and window frames, window sills and balustrades
- Small repairs before painting

TECHNICAL PARAMETERS:

- Colour: white
- Curing rate: 1,0 mm/ 24 h (+23°C, 50% RH)
- Working time: 10–15 min
- Movement accommodation: 75%

BENEFITS:

- Textured finish which blends in with the substrate
- Anti-crack formula – does not shrink nor crack
- Anti-stain formula
- Can be painted after 10 min without the risk of discoloration and cracking with good quality paints (after 60 min with economy paints)

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Painters Acrylic Express	310 ml	Cartridge	12	1 440

Rapid Filler

Light Acrylic



Ultra-light acrylic putty based on an innovative formula. A smooth white surface can be obtained with a single layer of putty, which makes the application quick and easy. The product is characterized by excellent adhesion to porous surfaces, it does not flow off the wall or ceiling. Designed for both interior and exterior use.

APPLICATIONS:

- Filling scratches, cracks, crevices, holes in walls, facades and ceilings
- Sealing joints between drywall panels
- Filling and masking nail holes, screws, pins, etc.
- Minor repairs before painting

TECHNICAL PARAMETERS:

- Colour: white
- Curing time (layer 1 mm): approx. 10 min
- Curing time (layer 5 mm): 24 h
- Maximum thickness of a single layer: up to 5 mm

BENEFITS:

- Fills cracks and holes with a single layer
- Very easy application
- Excellent adhesion
- Does not shrink nor crack
- Easy sanding – does not clog sandpaper
- Very high efficiency (0,4 kg/m²/1 mm)

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Rapid Filler Light Acrylic	250 ml	Plastic container	6	1 536
	750 ml	Plastic container	4	600
	310 ml	Cartridge	12	2 016



ACRYLICS SELECTOR

	Universal Acrylic	Painters Acrylic Express	Rapid Acrylic	Drywall Acrylic	Facade Acrylic
TECHNICAL PARAMETERS					
Density [ISO 2811-1] [g/ml]	1,68 ± 0,01	1,64 ± 0,02	1,58 ± 0,02	1,54 ± 0,02	1,74 ± 0,01
Cure rate [mm/ 24 h]	0,5–1,0	0,5–1,0	0,5–1,0	0,5–1,0	0,5–1,0
Skin formation [min]	10–20	10–30	10–20	25–40	15–20
Hardness Shore A [ISO 868]	42 ± 2	42 ± 2	50–60	42 ± 2	42 ± 2
Movement Accommodation [ISO 9047] [%]	75	75	75	12,5–15,0	75
Elastic recovery [ISO 7389] [%]	20 ± 5	20 ± 5	20 ± 5	35 ± 5	20 ± 5
Application temperature [°C]	+5 to +40	+5 to +40	+5 to +40	+5 to +40	+5 to +40
Temperature resistance [°C]	-20 to +80	-20 to +80	-20 to +80	-20 to +80	-20 to +80

Masking Tape



Single-sided adhesive tape with a crepe paper backing commonly used for covering edges or surfaces during painting, varnishing, silencing or other construction and finishing works.

APPLICATIONS:

- Protection of the paint contamination
- Masking edges and surfaces

BENEFITS:

- Easy-to-use
- Easy-to-remove
- No adhesive residue also does not leave adhesive residue

TECHNICAL PARAMETERS:

- Elongation at break: 10%
- Paper thickness: 75 µm
- Total thickness: 95 µm
- Temperature resistance: +60°C
- Type of adhesive: Hot-melt
- Colour: yellow

Product name	Size	Packaging	Pieces per box	Pieces per pallet
Masking Tape	25 mm x 25 m	Roll	90	5 184
	30 mm x 25 m	Roll	60	4 320
	38 mm x 25 m	Roll	42	3 024
	48 mm x 25 m	Roll	36	2 592
	25 mm x 40 m	Roll	36	4 320
	30 mm x 40 m	Roll	40	3 600
	38 mm x 40 m	Roll	24	2 880
	48 mm x 40 m	Roll	24	2 160

Premium Masking Tape



A single-sided adhesive masking tape with excellent adhesion and good durability. It can be applied to all types of paints.

APPLICATIONS:

- Protection of the paint contamination
- Providing accurate painting lines

BENEFITS:

- No adhesive residue
- Easy-to-use
- Easy-to-remove
- For indoor use

TECHNICAL PARAMETERS:

- Elongation at break: 10%
- Paper thickness: 75 µm
- Total thickness: 95 µm
- Temperature resistance: +60°C
- Type of adhesive: Hot-melt
- Time of adhesion: 72 h
- Colour: white

Product name	Size	Packaging	Pieces per box	Pieces per pallet
Premium Masking Tape	25 mm x 50 m	Roll	36	4 320
	30 mm x 50 m	Roll	40	3 600
	38 mm x 50 m	Roll	24	2 880
	48 mm x 50 m	Roll	24	2 160

Masking Tape 14 Days



Easy to use, one-sided adhesive masking tape. Provides good adhesive strength and high precise of edges painting. This tape is durable, easy removable after using with no glue residue after removal and can be applied for all kind of paint. Perfect to use indoors and outdoors. It is UV resistant up to 14 days.

APPLICATIONS:

- Protection of the paint contamination
- Providing accurate painting lines outside and inside the building

TECHNICAL PARAMETERS:

- Elongation at break: 10%
- Paper thickness: 80 µm
- Total thickness: 110 µm
- Temperature resistance: +60°C
- Type of adhesive: acrylic

BENEFITS:

- No adhesive residue
- Easy-to-use
- Easy-to-remove
- Don't adhere
- No leaks
- For indoor and outdoor use
- Resistant to uv, rain and other atmospheric factors
- Ideal for: painted walls and moldings, lacquered wooden surfaces, glass, plastic, metal and many others

Product name	Size	Packaging	Pieces per box	Pieces per pallet
Masking Tape 14 Days	25 mm x 25 m	Roll	40	3 600
	38 mm x 25 m	Roll	24	2 880
	48 mm x 25 m	Roll	24	2 160
	25 mm x 50 m	Roll	36	4 320
	30 mm x 50 m	Roll	40	3 600
	38 mm x 50 m	Roll	24	2 880
	48 mm x 50 m	Roll	24	2 160

Cover Foil



Cover Foil is great protection against paint, dirt, dust and moisture during painting works, reparation works and also during transport.

APPLICATIONS:

- Protection of floors, furniture, windows, etc from dirt during repair works

Product name	Size	Thickness	Material	Gross weight /pcs	Pieces per box
Cover Foil Standard	4 m x 5 m	5 µm	HDPE	90 g	60
Cover Foil Thick	4 m x 5 m	7 µm	HDPE	120 g	40
	4 m x 12,5 m	7 µm	HDPE	315 g	30
Cover Foil Extra Thick	4 m x 5 m	28 µm	LDPE	520 g	15

Cover Foil with Tape



Excellent protection of the surface against dirt during painting and repair works.

APPLICATIONS:

- For covering and masking large surfaces (e.g. furniture, walls)
- Providing accurate painting lines and protection from dust, paint contamination etc.

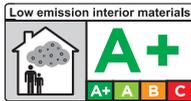
BENEFITS:

- Perfect adhesion to most surfaces
- Does not move during work

Product name	Size	Material	Gross weight /pcs	Pieces per box
Cover Foil with Tape	140 cm x 33 m	HDPE	360 g	20
	270 cm x 20 m	HDPE	400 g	20
	55 cm x 33 m	HDPE	160 g	48

Power Flex

Mounting Adhesive & Sealant



High quality adhesive & sealant based on MS Polymer. It is indispensable during renovations, where many different materials require bonding and sealing. The product in typ "2 in 1" which combines the advantages of traditional mounting adhesives and sealants, while eliminating their disadvantages. The product is available in a wide range of colours: transparent (100% crystal clear), white, gray, anthracite, brown, black.

APPLICATIONS:

- As an adhesive:
 - bonds all types of building materials, e.g. natural stone, brick, concrete, glass, mirror, wood, metal, polystyrene, plastics (except PE, PP, Teflon, bitumen)
- As a sealant:
 - it can replace perfectly sanitary silicone, neutral silicone, glazing silicone, roofing sealant, polyurethane sealant and other

TECHNICAL PARAMETERS:

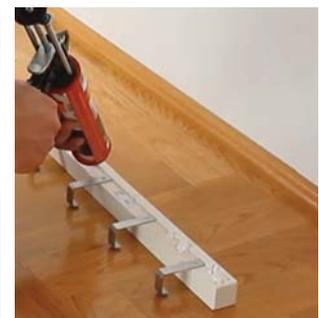
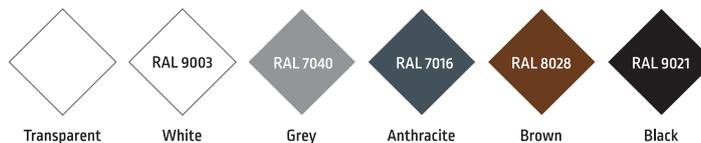
- Colours: transparent (100% crystal clear), white, gray, anthracite, brown, black
- Working time: 10–20 min
- Curing rate: 2–4 mm/ 24 h
- Application temperature: +5°C to +30°C
- Temperature resistance: -40°C to +90°C
- Low emission product (transparent version)

BENEFITS:

- High bonding strength: 300 kg/ 10 cm²
- Excellent adhesion to all substrates
- Very flexible joint
- No after-shrinkage
- Resistant to fungi and mould
- Waterproof joint
- Very high chemical and mechanical resistance
- For interior and exterior
- Ecological: does not contain solvents, silicones and isocyanates
- Neutral: does not corrode metals, does not damage delicate surfaces
- The joint can be painted
- 10 year warranty for the joint

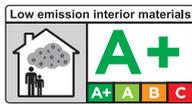
Product name	Content	Packaging	Pieces per box	Pieces per pallet
Power Flex	310 ml	Cartridge	12	1440
	100 ml	Tube on blister	12	1080

COLOUR CHART



Gallop Fix

Fast Curing Mounting Adhesive



Fast curing and very strong mounting hybrid based adhesive. It is indispensable in a situation where we expect rapid bonding effect (when you want to quickly use bonded elements). It forms a very strong bond that can be loaded to already after 20 minutes since the application, and its full strength already reached after approx. 3 hours. The weld formed perfectly dampens vibrations, is resistant to weather, UV radiation and diluted chemicals.

APPLICATIONS:

- Bonding a wide range of finishing materials to typical surfaces such as: concrete, plaster, chipboard, wood, bricks, glass
- Bonding skirting boards, pedestals, thresholds, panels, ceramic tiles
- Bonding decorative elements of wood, cork, chipboard, metal, stone, laminates, expanded polystyrene (EPS), marble
- Bonding plastics (except PE, PP and Teflon)
- Bonding mirrors

BENEFITS:

- Dries 8 x faster
- They can be loaded after 20 min
- Very high bonding strength: up to 400 kg/10 cm²
- Bonds all materials
- Can be used on damp substrates
- Water resistant
- For interior and exterior
- E ecological: does not contain solvents, silicones and isocyanates
- Neutral: does not corrode metals, does not damage delicate surfaces
- The joint can be painted

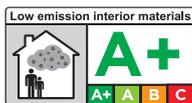
TECHNICAL PARAMETERS:

- Colour: white
- Correction time: 5 min
- Full strength after approx. 3 h
- Temperature resistance: -30°C to +90°C
- Low emission product

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Gallop Fix	310 ml	Cartridge	12	1 440
	100 ml	Tube on blister	12	1 080

Vector Rapid

Mounting Adhesive High-Tack



MS-Polymer based adhesive with very high initial tack (200 kg/m²), designed for all mounting and finishing works. Indispensable in a situation where bond (especially heavy) elements to the walls, facades or ceilings-bonding without support.

APPLICATIONS:

- Excellent adhesion to all substrates used in construction (with the exception of PP, PE, Teflon and bitumen): wood, glass, mirror, metal, stone, PVC, ceramic tiles, polystyrene, brick, plaster, marble e.t.c
- Especially recommended for bonding elements to walls, facades or ceilings (also heavy ones), without using mechanical fasteners, e.g., it is well suited for bonding mirrors

BENEFITS:

- Strong initial grab: 200 kg/m²
- Very high bonding strength: 350 kg/10 cm²
- Bonds all materials
- Waterproof joint
- Very high chemical and mechanical resistance
- For interior and exterior
- Ecological: does not contain solvents, silicones and isocyanates
- Neutral: does not corrode metals, does not damage delicate surfaces
- The joint can be painted

TECHNICAL PARAMETERS:

- Working time: 15 min
- Curing rate: 3 mm/24 h
- Application temperature: +5°C to +30°C
- Temperature resistance: -40°C to +90°C
- Colour: white, grey, anthracite, brown, black
- Low emission product (transparent version)

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Vector Rapid	310 ml	Cartridge	6	1 440
	100 ml	Tube on blister	12	1 080

Classic Fix

Transparent Mounting Adhesive



Colourless solvent-based adhesive recommended for different mounting and finishing jobs, particularly where a transparent and durable joint is required.

APPLICATIONS:

- Bonding different materials (one to another or in any combination), including: stone, brick, concrete, plaster, glass, wood, drywall, mineral and glass wool, plastics, metal, ceramics and others
- Recommended for bonding skirting boards, thresholds, panels, wooden or plastic boards, ceramic tiles, window sills, hard PVC, glass, metal and metal plates with any type of surface used in construction
- For interior and exterior use
- Not suitable for polystyrene

TECHNICAL PARAMETERS:

- Working time: 10–15 min
- Full cure: 48–72 h
- Application temperature: +10°C to +30°C
- Temperature resistance: -20°C to +60°C
- Colour: transparent

BENEFITS:

- Transparent joint
- High bonding strength
- Excellent adhesive properties

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Classic Fix	310 ml	Cartridge	12	1 440
	100 ml	Tube on blister	12	1 080

Hydro Fix

Transparent Mounting Adhesive



Universal, solvent-free mounting adhesive for bonding various materials to absorbent substrates. In the wet phase the glue is white, but it dries to a colourless. That's why it's a great choice for glueing items requiring precision when the joint is fully or partially visible. Product is dedicated to interior.

APPLICATIONS:

- Excellent adhesion to most common construction and finishing materials such as polystyrene, ceramic tiles, wood, metal and plastic components, panels and foam, mineral wool
- Bonding plaster and polyurethane coffers, rosettes and cornices
- Thermal and acoustic insulation (including polystyrene)
- Thresholds and window sills
- Decorative and finishing PVC, polystyrene and various wood derivatives
- Slats, panels and plastic and wood boarding
- Suitable for interior applications

TECHNICAL PARAMETERS:

- Working time: 20–30 min
- Full cure: 72 h
- Application temperature: +10°C to +30°C
- Temperature resistance: -20°C to +60°C
- Colour: transparent

BENEFITS:

- Transparent joint (after cure)
- Environmentally friendly
- Non-flammable formula
- Forms a strong and durable bond

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Hydro Fix	310 ml	Cartridge	12	1 440
	150 g	Tube	12	2 016

Fast Fix

Mounting Adhesive High-Tack



Acrylic based mounting adhesive – with immediate initial tack (200 kg/m²). It is designed for bonding a variety of decorative and finishing materials to absorbent substrates. It is characterized by a very high adhesive strength. The joint can be painted once cured.

APPLICATIONS:

- Fast mounting of decorative elements to absorbent, vertical substrates (eg coffers)
- Bonding skirting boards, profiles, plinths, wall panels, window sills, thresholds
- Bonding common building materials such as: wood, rigid PVC, glass, metal, polystyrene, stone, ceramic tiles, boards and foams, mineral wool
- Note: at least one of the bonded surfaces must be absorbent

TECHNICAL PARAMETERS:

- Colour: white
- Working time: 5–10 min
- Application temperature: +10°C to +30°C
- Temperature resistance: -20°C to +60°C
- Full cure: 48 h
- Low emission product

BENEFITS:

- Fast initial tack: 200 kg/m²
- Very high adhesive strength: 200 kg/100 cm²
- Solvent-free and odorless
- Non-flammable
- Joint can be painted
- Moisture resistant



Product name	Content	Packaging	Pieces per box	Pieces per pallet
Fast Fix	310 ml	Cartridge	12	1 440
	100 ml	Tube on blister	12	1 080
	210 ml	Tube	20	2 016

Multi Use

Mounting Adhesive



Universal, contact adhesive recommended for mounting and finishing works. It bonds almost all surfaces (absorbent and non-absorbent) in any combination. It can be used indoors and outdoors.

APPLICATIONS:

- Bonding skirting boards, socles, thresholds, wall panels and ceramic tiles
- Bonding decorative elements made of wood, gypsum, cork, chipboard, metal, stone, polystyrene, PVC and glass
- Bonding absorbent and non-absorbent materials (one to another or in any combination)
- For interior and exterior use

TECHNICAL PARAMETERS:

- Working time: 10–15 min
- Application temperature: +10°C to +30°C
- Full cure: up to 72 h
- Temperature resistance: -20°C to +60°C

BENEFITS:

- Excellent adhesion to most substrates
- High bonding strength 220 kg/10 cm²
- resistant to moisture and changing weather conditions
- Waterproof

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Multi Use	310 ml	Cartridge	12	1 440
	100 ml	Tube on blister	12	3 216

60 Seconds

Fast Foam Adhesive



A multipurpose foam adhesive with high adhesion to many materials and substrates. The unique formulation based on the TYTACK technology provides fast initial tack after only 60 seconds and does not expand, which ensures the stability of bonded elements and prevents deformation.

APPLICATIONS:

- Drywall and OSB boards
- Decorative elements
- Window sills
- Construction of internal walls

BENEFITS:

- TYTACK technology
- Initial tack after 60 sec
- High adhesion strength: 500 kg/10 cm²
- No priming
- No expansion
- High yield

TECHNICAL PARAMETERS:

- Initial tack: after 60 sec
- Yield:
 - 750 ml gun: ~ 40 rm
 - 750 ml straw: ~ 30 rm
 - 300 ml straw: ~ 15 rm
- Application temperature: 0°C to +30°C
- Can temperature: +10°C to +30°C
- Open time: < 2 min
- Correction time: < 3 min
- Bonding time: 60 min
- Full curing time: 24 h

Product name	Content	Packaging	Applicator	Pieces per box	Pieces per pallet
60 Seconds Fast Foam Adhesive	750 ml	Can	Gun	12	624
	750 ml	Can	Straw	12	624
	300 ml	Can	Straw	12	780





How to speed up the wall construction process with foam adhesives

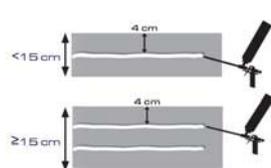
The process of building a masonry wall typically consists of 2 steps: Bricklaying and Plastering the wall. Those steps are traditionally made with the use of mortar for bricklaying and mineral plasters in some cases gypsum boards are used for finishing the wall.

With the use of Foam Adhesives this process can be accelerated. Such technology allow us to raise and finish a wall without the use of water, electricity and tools other than a Foam Gun.

Fast Foam Adhesive 60 Seconds is a multipurpose foam adhesive that can be used to raise internal partition walls and do minor bricklaying jobs with calibrated materials. Additionally, this product can be used to bond gypsum cardboard to the wall as a way of finishing the wall.

⚠ In case of external walls and load bearing walls, Foam Adhesive for Bricklaying should be used for bricklaying the calibrated material.

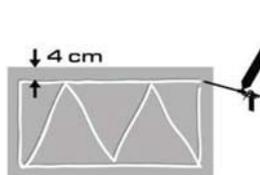
Bricklaying



Instructions for bricklaying

- 1 Before rendering the first layer, make sure that the surfaces which are going to be bonded are even. The first layer of the wall must be made using traditional mortar in order to ensure a perfectly levelled wall.
- 2 Beads should be applied on the wall top, not on loose bricks. Apply the adhesive in beads to create both horizontal and vertical joints. Always apply enough adhesive to bond not more than 2–3 bricks. After 30 minutes you can finish the wall by bonding gypsum cardboard to it.

Finishing the wall with Gypsum Cardboard



Instructions for finishing the wall

- 3 First, make sure that the bonded surfaces are clean. Apply a 2–3 cm bead of adhesive around the perimeter of the board. Apply a zigzag pattern of adhesive starting from one of the corners of the adhesive bead. Maintain a 4 cm distance from the edge to avoid the adhesive being squeezed out when the surfaces are joined.
- 4 From the moment the adhesive is applied, wait 60 seconds.
- 5 Raise the board and press it against the wall. Use a spirit level to position the board. Make sure that the gap between the board and the wall is not wider than 1 cm.



Main Advantages:	Powder based products	FOAD for Bricklaying
Waiting time needed for finishing works	Min 3 days	30 min
Product preparation time	20 min	1 min
Full load resistance	Min 6 days	24 h
Piece needed for storage	Yes	No
Additional tools needed	Trowel, bucket, mixer, cable	Only foam gun
Electricity and water needed	Yes	No
Equipment cleaning time	10 min	1 min
Dust	Yes	No



FLOORING

SELENA SYSTEM OFFERS :

- Systemic solutions for wooden floors, elastic coverings and tiles
- High quality and durability appreciated by installers and end users
- Floor finishing for traditional and modern design floors
- Technical support and advice on the proper selection of products

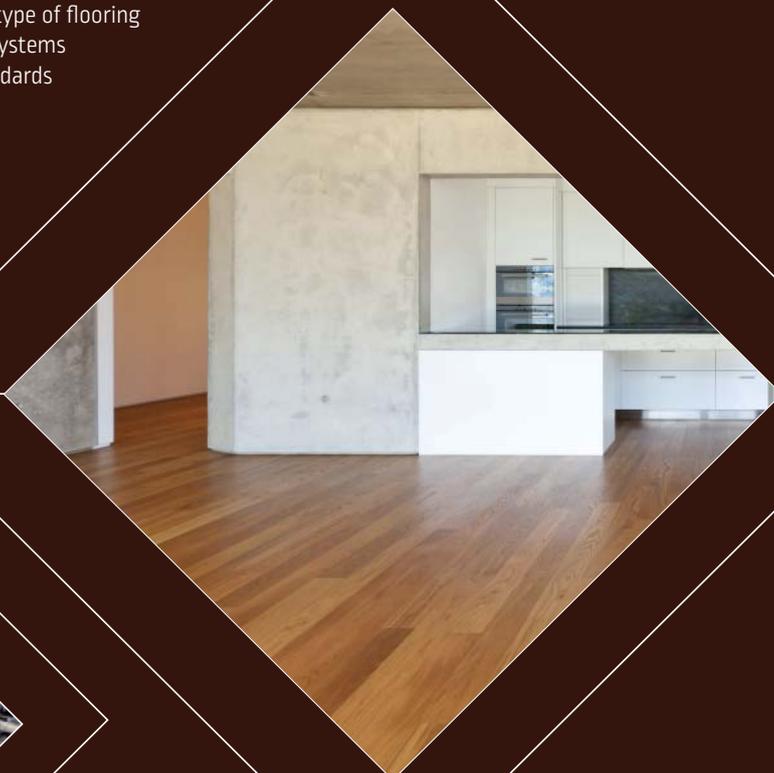
A stylish and esthetic new floor adds its unique ambience and character to every interior. Artelit & Tytan, owing to its systemic approach and a large portfolio of products, offers professional solutions tailored to every type of flooring project and to the needs of users. Artelit & Tytan flooring systems are characterized by the highest quality and durability standards valued by installers as well as users. It is worth mentioning that all systems are compatible with underfloor heating option. Thanks to worldwide experience and expertise of our technical advisors, Selena guarantees professional support in selecting proper products for every investment.

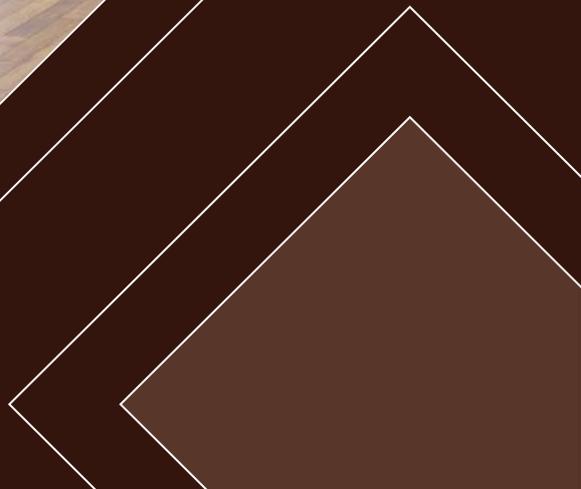


Parquet Systems

Elastic Floor Covering Systems

Tile Systems for Underfloor Heating





PARQUET SYSTEMS

- 204 SB-210 Solvent Primer
- 204 WB-220 Universal Dispersion Primer
- 204 PB-230 1C PU Primer
- 205 PB-235 Low-Emission 1C PU Primer
- 206 SB-870 Synthetic Adhesive for Parquet
- 206 RB-860 Rubber Adhesive for Parquet
- 207 PB-835 1C PU Adhesive for Parquet
- 207 PB-890 2C PU Adhesive for Parquet
- 208 PB-890 R 2C PU Adhesive for Parquet – Rapid
- 208 HB-810 STP Hybrid Adhesive for Parquet
- 209 HB-820 MS Polymer Adhesive for Parquet
- 210 FS-415 Solvent-Based Parquet Filler
- 210 FW-400 Water-Based Parquet Filler
- 211 S-460 Solvent-Based Priming Varnish
- 211 W-430 Water-Based Primer
- 212 PW-460 2C PU-Based Varnish
- 212 PW-465 2C PU-Based Varnish
- 213 PA-470 1C Acrylic PU-Based Varnish
- 213 PW-480 1C Water PU-Based Varnish
- 214 AB-441 2C Acid Varnish
- 214 KH-440 1C Alkyd Varnish
- 215 OL-610 Fast-Drying Parquet Oil
- 215 OL-610 Oil Hardener
- 215 OL-610 Oil Thinner
- 216 OL-611 Coloured Parquet Oil
- 216 OL-620 Parquet Oil
- 217 OL-650 Oil-Wax for Parquet
- 217 OL-670 Wax
- 218 OL-680 Soap for Oil
- 218 OL-690 Oil Care
- 219 PM-100 Floor Cleaner
- 219 PM-120 Parquet Care

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Parquet Systems

In order to enjoy a long lasting usage of a new floor, a proper preparation of each installation stage is essential:

1. Substrate preparation – make sure that the moisture content of the substrate is not higher than 2% for the cement substrate, 0,5% for the anhydrite substrate, and its strength is at least 25 MPa. Substrates must be clean, seamless and free of defects and cracks.
2. The proper choice of an adhesive with regard to the kind of wood and the size of a glued element – for exotic wood only polyurethane and hybrid adhesives are suitable while for European wood we can choose any type of adhesive. The bigger the glued element, the more resilient and stronger the adhesive should be. This is because bigger elements expand and contract more due to the temperature and humidity fluctuations in the interior.
3. The choice of topcoat finish – oil, varnish or wax – depends on the purpose of the floor and its desired final outlook.



Modern Floors System

The most popular types of floors include modern floors, traditional and sports floors.

Modern floors are characterized by non – standard designs, colour finish, long planks and mixed technologies e.g. oil – varnish topcoats. In this category of floors, Artelit Professional system offers a combination of the following products: primers – depending on the absorptivity of a substrate we recommend the WB-290 or WB-280 Primers, the LC-710 Self-Levelling Compound, the HB-810 Hybrid Adhesive for Parquets, the FS-415 Gap Filler, the OL-611 Coloring Oil, the PW-465 Two-Component Varnish.



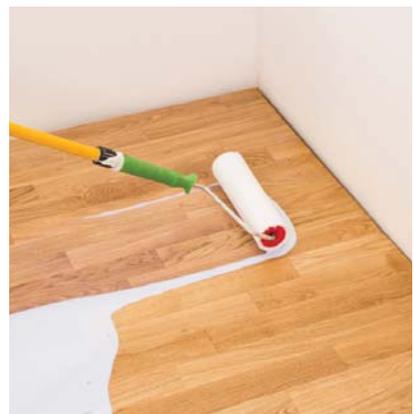
Artelit Professional offers a wide choice of colours of oils which follow the current trends in interior design:



Traditional Floors System

Traditional floors are mainly installed using parquet strips and mosaic parquet. This category also includes the renovations of historical interiors. Here the ideal solution is: WB-290 or WB-280 Primers, LC-735 Cement Screed, PU PB-890 Parquet Adhesive, FS-415 Gap Filler, S-460 Solvent-Based Priming Varnish, PW-480 Topcoat Varnish.

Artelit varnishes are available in all sheens: matt, semi-gloss and high gloss.



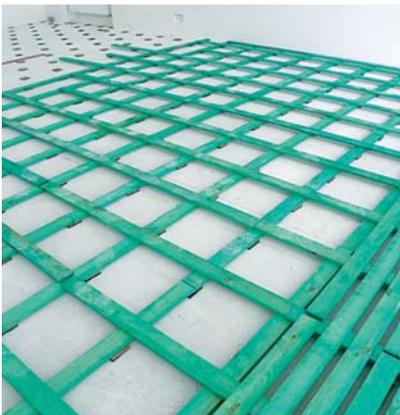
Sports Floors System

Sports floors are mainly installed in sports halls and recreational facilities. Sports flooring systems have to comply with specific requirements. Unlike wooden floors installed in residential interiors or public utility buildings, sports floors must be permanently elastic. They can be divided into three categories: point-elastic, area-elastic and combi-elastic which combine the properties of the former two.

Elasticity is not the only factor in sports flooring but also such parameters as: deformation, ball bounce, friction or the dynamic load. One of the key features of the sports flooring is its anti-slip properties, which ensures the safety of players. These safety standards are defined in the DIN 18032 standard. Artelit Professional varnishes and care products dedicated for sports flooring have been certified in compliance with the DIN 18032 standard which makes them not only durable but also safe for sportsmen.

An example of Artelit Professional System for Sports Floors includes, WB-290 or WB-280 Primer (depending on the substrate absorptivity), LC-720 Anhydrite, Self-Levelling Compound, the HB-810 Hybrid Adhesive for Parquets FS-415 Gap Filler, S-460 Solvent-Based Priming Varnish and KH-440 Alkyd Topcoat Varnish.

The KH-440 Topcoat Varnish and the OL-610 Oil Hold Anti-Slip Attestations for Sports Floorings.



SB-210

Solvent Primer



Synthetic resin primer designed for treatment of absorbent and non-absorbent substrates prior to the application of synthetic resin and rubber based adhesives for parquet (e.g. Artelit RB-860 Rubber adhesive for parquets). Its reddish colour facilitates identification of prepared surfaces.

APPLICATIONS:

- Suitable for most construction substrates, such as concrete, cement and anhydride compounds, and wood

BENEFITS:

- Accelerates drying of adhesives
- Reduces coverage of adhesives
- Reinforces the surface of the substrate
- Penetrates deeper into pores
- Improves resistance of the substrate against water or brush

TECHNICAL PARAMETERS:

- Ready for covering: 12–24 h (at +20°C)
- Coverage: 0,2–0,5 l/m²
- Mixing ratio:
 - 1:1 for absorbent substrates (petroleum, acetone)
 - 1:2 for non-absorbent substrates

Product name	Content	Packaging	Pieces per pallet
SB-210 Solvent Primer	4,5 l	Metal canister	120
	9 l	Metal canister	90

WB-220

Universal Dispersion Primer



Water based primer designed for priming of absorbent and non-absorbent substrates. Especially recommended before application of Dispersion Adhesive for Parquet WB-840 or Adhesives for Floor Coverings: WB-965, WB-975, WB-976, WB-982, WB-981.

APPLICATIONS:

- Priming of absorbent screeds and plastered surfaces
- Improving adhesion to non-absorbent substrates

BENEFITS:

- Reduces adhesive consumption
- Reinforces substrate surface
- Penetrates deeper into pores
- Easy application with a roller or brush

TECHNICAL PARAMETERS:

- Ready for covering: up to 4 h (at +20°C)
- Coverage: 0,2–0,3 l/m²

Product name	Content	Packaging	Pieces per pallet
WB-220 Universal Dispersion Primer	5 l	PE Bucket	108

PB-230

1C PU Primer



One-component polyurethane primer designed for treatment of absorbent and non-absorbent substrates prior to the application of polyurethane based adhesive for parquets (such as ARTELIT PB-830, ARTELIT PB-890). The pink colour facilitates identification of prepared surfaces.

APPLICATIONS:

- Suitable for absorbent and non-absorbent construction substrates

BENEFITS:

- Flexible
- For underfloor heating
- Layer thickness: 2–10 mm
- Water and frost resistant

TECHNICAL PARAMETERS:

- Ready for covering: 24 h (at +20°C)
- Coverage: 0,25–0,45 l/m²
- Mixing ratio:
 - 1 for absorbent substrates (petroleum, acetone)
 - 1:2 for medium absorbent substrates
 - 1:2 for non-absorbent substrates

Product name	Content	Packaging	Pieces per pallet
PB-230 1C PU Primer	4,5 l	Canister	108
	9 l	Canister	80

PB-235

Low-Emission 1C PU Primer



This one-component, fast-drying, polyurethane-based primer ensures even absorption and easy application of the adhesive. Recommended for use prior to the application of PU based parquet adhesives (Artelit PB-830, Artelit PB-890) and STP Hybrid polymer adhesives (Artelit HB-810).

APPLICATIONS:

- For interior and exterior use
- Suitable for absorbent and non-absorbent construction surfaces, such as concrete, wood, anhydride compounds, levelling compounds or wooden-fibre boards
- Ideal for use on dusty surfaces

TECHNICAL PARAMETERS:

- Ready for covering: 90 min (at +20°C)
- Coverage: 0,15–0,4 l/m²

BENEFITS:

- Reduces coverage of adhesives
- Reinforces the substrate
- Binds dust
- Improves resistance of substrate against water
- Fast and easy application
- Suitable for floor heating systems

Product name	Content	Packaging	Pieces per pallet
PB-235	5 l	Canister	120
Low-Emission 1C PU Primer	10 l	Canister	60



CLASSIFICATION MATRIX FOR ADHESIVE PRIMERS

TYPE OF ADHESIVE	ADHESIVE PRIMERS			
	SB-210	WB-220	PB-230	PB-235
SB-870				
RB-860				
PB-835				
PB-890				
PB-890R				
HB-810				
HB-820				

RECOMMENDED

NOT RECOMMENDED

SB-870

Synthetic Adhesive for Parquet



Synthetic resin based adhesive with good adhesion to common construction substrates, such as concrete, cement and anhydride compounds and wooden surfaces. It does not contain water, which makes it ideal for use with moisture-sensitive parquets. Not recommended for exotic wood.

APPLICATIONS:

- Bonding of standard, lamellar and ready-made parquets
- Common and industrial floor mosaics
- Wooden floors, including OSB boards

BENEFITS:

- High initial bonding power
- Very good resistance against ageing and moisture
- Permanently flexible bond
- Water-free
- For floor heating systems
- Fast and easy application with a notched trowel

TECHNICAL PARAMETERS:

- Solid content: 70 ± 2%
- Working time: 10–15 min (at +20°C)
- Coverage: 0,7–1,2 kg/m² (B2–B3 racking)
- Sanding and varnishing: 2–3 days after installation

Product name	Content	Packaging	Pieces per pallet
SB-870 Synthetic Adhesive for Parquet	21 kg	Bucket	21

RB-860

Rubber Adhesive for Parquet



This SBR rubber based adhesive is suitable for bonding various types of flooring on common construction substrates, such as concrete, cement and anhydride compounds, levelling compounds and wood. It does not contain water, which makes it ideal for use with moisture-sensitive parquets. Not recommended for exotic woods.

APPLICATIONS:

- Bonding of standard, lamellar and multi-layer parquets, mosaics and cork
- Especially recommended for moisture-sensitive wood such as beech, birch, oak

BENEFITS:

- High initial bonding strength
- Very good resistance against ageing and moisture
- Permanently flexible bond
- Water-free
- Suitable for floor heating systems

TECHNICAL PARAMETERS:

- Solid content: > 70%
- Working time: 10–15 min (at +20°C)
- Coverage: 0,65–1,3 kg/m² (B2–B3 racking)
- Sanding and varnishing: 3–4 days after installation

Product name	Content	Packaging	Pieces per pallet
RB-860 Rubber Adhesive for Parquet	21 kg	Bucket	33
	12 kg	Bucket	44

PB-835

1C PU Adhesive for Parquet

One-component polyurethane-based adhesive, especially designed for strong and flexible bonding of parquet on absorbent and non-absorbent construction surfaces. Especially good on substrates of ceramic tiles, natural stone and wood. Available in an innovative type of packaging containing 3 x 5 kg packs in separate foils.


APPLICATIONS:

- Bonding of all types of parquets
- Suitable for exotic wood

BENEFITS:

- High initial bonding strength
- Very good resistance against ageing, moisture and temperature changes
- Permanently flexible bond
- Free of solvents and harmful volatile substances
- Water-free
- Suitable for floor heating systems
- Fast and easy application

TECHNICAL PARAMETERS:

- Solid content: > 70 %
- Working time: up to 70 min (at +20°C)
- Coverage:
 - 0,5–0,9 kg/m² (smooth substrates)
 - 0,9–1,7 kg/m² (rough and uneven substrates)
- Sanding and varnishing: 1,5–2 days after installation
- Ready for foot traffic: after 24 h

Product name	Content	Packaging	Pieces per pallet
PB-835 1C PU Adhesive for Parquet	15 kg (3 x 5 kg)	Bucket	55

PB-890

2C PU Adhesive for Parquet

This two-component, water and solvent-free polyurethane adhesive has very good adhesion to absorbent and non-absorbent construction substrates, such as concrete, cement and anhydride compounds, levelling compounds, wood etc.


APPLICATIONS:

- Bonding all types of parquet, especially parquets 10 mm thick
- Wooden planks up to 22 mm, wooden blocks
- Parquets of beech, maple and exotic wood

BENEFITS:

- High strength parameters
- Very good resistance against ageing, moisture and temperature changes
- Permanently flexible bond
- Suitable for floor heating systems
- Fast and easy application

TECHNICAL PARAMETERS:

- Solid content: 100%
- Working time: < 90 min (at +20°C)
- Coverage: 0,7–1,5 kg/m² (smooth substrates)
- Sanding and varnishing: 3 days after installation
- Ready for foot traffic: after 24 h

Product name	Content	Packaging	Pieces per pallet
PB-890	9 + 1 kg	Bucket + bottle	55
2C PU Adhesive for Parquet	4,5 + 0,5 kg	Bucket + bottle	80

PB-890 R

2C PU Adhesive for Parquet – Rapid

This two-component, water and solvent-free adhesive has very good adhesion to absorbent and non-absorbent construction substrates, such as concrete, cement and anhydride compounds, levelling compounds, wood etc. To increase adhesion, use ARTELIT Polyurethane primer PB-235 or PB-230.


APPLICATIONS:

- Bonding all types of parquet, especially parquets 10 mm thick
- Wooden planks up to 22 mm, wooden blocks
- Parquets of beech, maple and exotic wood

TECHNICAL PARAMETERS:

- Working time: < 60 min (at +20°C)
- Sanding: after 72 h
- Final strength: 3 days
- Coverage: 0,7–1,5 kg/m²

BENEFITS:

- Working time – up to 60 min
- Easy spreading
- Very good adhesion
- Highly flexible bond
- Excellent resistance against moisture and ageing
- Suitable for floors with floor heating systems

Product name	Content	Packaging	Pieces per pallet
PB-890 R	9 + 1 kg	Bucket + bottle	55
2C PU Adhesive for Parquet – Rapid	4,5 + 0,5 kg	Bucket + bottle	80

HB-810

STP Hybrid Adhesive for Parquet

Adhesive based on a hybrid polymer, suitable for bonding of various types of flooring. It does not contain isocyanides, solvents or water.


APPLICATIONS:

- Ideal for installation of parquets and wooden floors
- Recommended also for difficult types of wood, such as: beech, maple, exotic wood and all types of wood sensitive to moisture

TECHNICAL PARAMETERS:

- Solid content: 90%
- Working time: < 90 min (at +20°C)
- Coverage: 0,65–1,2 kg/m² (depending on the substrate and spreader type)
- Sanding and varnishing: 3 days after installation
- Final strength: 7 days

BENEFITS:

- Very good adhesion
- High torsional strength
- Very good resistance against ageing, moisture and temperature changes
- Permanently flexible bond
- Suitable for floor heating systems
- Fast and easy application



Product name	Content	Packaging	Pieces per pallet
HB-810 STP Hybrid Adhesive for Parquet	15 kg	Bucket	44

HB-820

MS Polymer Adhesive for Parquet



Parquet adhesive based on MS polymer, does not contain isocyanides, solvents or water. It adheres perfectly to most substrates such as wood, concrete and stone.

APPLICATIONS:

- Bonding traditional parquet, boards, laminated parquet
- Resin-impregnated parquet flooring and varnished parquet
- Recommended for European and exotic parquet (teak, bamboo, etc.)

BENEFITS:

- Very good adhesion
- Very good resistance against ageing, moisture and temperature changes
- Flexible bond
- Suitable for floor heating systems
- Fast and easy application

TECHNICAL PARAMETERS:

- Solid content: 90%
- Working time: < 90 min (at +20°C)
- Coverage: 0,8–1,4 kg/m² (depending on the substrate and spreader type)
- Sanding and varnishing: 3 days after installation
- Final strength: 7 days

Product name	Content	Packaging	Pieces per pallet
HB-820 MS Polymer Adhesive for Parquet	15 kg	Bucket	44

CLASSIFICATION MATRIX FOR PARQUET ADHESIVES

TYPE OF PARQUET	SB-870	RB-860	PB-835	PB-890	PB-890R	HB-810	HB-820*
Oak	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED
Ash	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED
Beech	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED
Acacia	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED
Cherry	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED
Hornbeam	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED
Sycamore	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED
Fir	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED
Larch	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED
Pine	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED
Spruce	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED
Merbau	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Teak	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Badi	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Kempas	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Iroko	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Dousiie	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Jotoba	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Lapacho	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Guatambu	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Sucupira	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Amarant	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Bambus	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Tauri	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Padouk	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Kotibe	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Palisander	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Mahagony	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Kosipo	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
Traditional mosaic	RECOMMENDED	RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED

* HB-820 up to 60 cm solid wood and laminated board.

RECOMMENDED

NOT RECOMMENDED

FS-415

Solvent-Based Parquet Filler



Solvent-Based Parquet Filler recommended for filling joints with the width up to 2 mm.

APPLICATIONS:

- Ideal for all types of parquet and wooden floors

BENEFITS:

- Very fast drying
- Ready for covering
- Very good sandability
- Excellent filling properties
- Very good adhesion to edges
- For immediate use

TECHNICAL PARAMETERS:

- Coverage/layer: 0,05–0,10 l/m²
- Drying time at +23°C/ 50% r.h.:
- 15–30 min for one layer (depending on the size of the joint, temperature and vaporization)
- Application with stainless steel knife

Product name	Content	Packaging	Pieces per pallet
FS-415	10 l	Tin bucket	60
Solvent-Based Parquet Filler	5 l	Tin bucket	120

FW-400

Water-Based Parquet Filler



Water-Based Parquet Filler recommended for filling joints with the width up to 2 mm.

APPLICATIONS:

- Ideal for all types of parquet and wooden floors

BENEFITS:

- Very fast drying
- Very good sandability
- Excellent filling properties
- Can be mixed with sawdust of all types of wood
- For immediate use

TECHNICAL PARAMETERS:

- Coverage/layer: 0,05–0,07 l/m²
- Drying time at +23°C/ 50% r.h.:
- 30–60 min for one layer (depending on the joint size, temperature and vaporization)
- Application stainless steel filler knife

Product name	Content	Packaging	Pieces per pallet
FW-400 Water-Based Parquet Filler	5 l	Canister	96

S-460

Solvent-Based Priming Varnish

One-component solvent-based priming varnish recommended for use prior to the application of top coating on all types of parquet and wooden floors.



APPLICATIONS:

- All types of parquet and wooden floors
- Especially suitable for exotic woods and old floors
- Seek technical advice when applying the product on smoke oak or strongly absorbent types of wood

BENEFITS:

- Fast drying
- Warm grain accentuation
- No edge gluing
- For immediate use

TECHNICAL PARAMETERS:

- Coverage/ layer: 0,08–0,10 l/m²
- Drying time at +23°C/ 50% r.h.:
 - second layer after 1 h
 - varnishing after 2–3 h
- Maximum time for application of top coating: 18 h
- Application with a roller or stainless steel knife

Product name	Content	Packaging	Pieces per pallet
S-460 Solvent-Based Priming Varnish	5 l	Canister	128

W-430

Water-Based Primer

One-component water-based primer recommended for use prior to the application of top coating on all types of parquet and wooden floors.



APPLICATIONS:

- All types of parquet and wooden floors
- Not suitable for direct use on smoke oak or on exotic and fruit-tree wood (in such cases, we recommend using Artelit primer S-460 first)

BENEFITS:

- Fast drying
- High content of dry matter
- Reduced edge gluing
- For immediate use

TECHNICAL PARAMETERS:

- Coverage/ layer: 0,1–0,15 l/m²
- Drying time at 23°C/ 50% r.h.:
 - 2 h after application with a roller
 - 30 min after application with a spreader
- Maximum time for application of the top coating: 12 h
- Application with a roller or stainless steel knife

Product name	Content	Packaging	Pieces per pallet
W-430 Water-Based Primer	5 l	Canister	128

PW-460

2C PU-Based Varnish

Two-component parquet varnish based on PU resin in water dispersion, available in gloss, semi-gloss and matt.



APPLICATIONS:

- Provides optimal protection of parquet and other wooden floors in heavy traffic areas
- Not suitable for direct use on smoke oak or on exotic and fruit-tree wood (in such cases, we recommend using Artelit primer S-460 first)

BENEFITS:

- NMP-free
- Easy application with a roller
- High saturation of coating
- High mechanical resistance

TECHNICAL PARAMETERS:

- Mixing ratio: 10:1
- Coverage/ layer: 0,1–0,15 l/m²
- Pot life: 2 h
- Drying time at +23°C/ 50% r.h.:
 - second layer after 4–6 h
 - careful use after 48 h
 - final hardness after 7–10 days

Product name	Content	Packaging	Pieces per pallet
FS-415	4,3 l – Varnish	Canister	60
Solvent-Based Parquet Filler	0,26 l – Hardener	Bottle	120

PW-465

2C PU-Based Varnish

Two-component parquet varnish based on PU resin in water dispersion, available in gloss, semi-gloss and matt. One of the key features of the varnish is anti-slip properties according to safety standards defined in the DIN 18032 standard.



APPLICATIONS:

- Provides an optimal protection of parquet and other wooden floors in heavy traffic areas
- Suitable for floors exposed to very high stress
- Not suitable for direct use on smoke oak or on exotic and fruit-tree wood (in such cases, we recommend using Artelit primer S-460 first)

BENEFITS:

- NMP- free
- Long pot life
- High filling power
- Short curing time
- Easy application with a roller

TECHNICAL PARAMETERS:

- Mixing ratio: 10:1
- Coverage/ layer: 0,1–0,15 l/m²
- Pot life: 3 h
- Drying time at +23°C/ 50% r.h.:
 - second layer after 4–6 h
 - careful use after 24 h
 - final hardness after 7 days

Product name	Content	Packaging	Pieces per pallet
PW-465 2C PU-Based Varnish	4,5 l – Varnish	Canister	128
	0,6 l – Hardener	Bottle	128

PA-470

1C Acrylic PU-Based Varnish

One-component parquet varnish based on a PU-acrylate resin, available in semi-gloss.



APPLICATIONS:

- Provides optimal – high quality and ecological – protection of parquets and other wooden floors in residential areas
- Not suitable for direct use on smoke oak or on exotic and fruit-tree wood (in such cases, we recommend using Artelit primer S-460 first)

BENEFITS:

- Free of NMP
- Easy application with a roller
- For residential areas
- Minimum negative impact on wood
- Good resistance against shoe heels and scratching

TECHNICAL PARAMETERS:

- Coverage/ layer: 0,1–0,15 l/m²
- Drying time at +23°C/ 50% r.h.:
 - second layer after 3–5 h
 - careful use after 48 h
 - final hardness after 7–10 days

Product name	Content	Packaging	Pieces per pallet
PA-470	5 l	Canister	120
1C Acrylic PU-Based Varnish	10 l	Canister	60

PW-480

1C Water PU-Based Varnish

One-component parquet varnish based on a PU-resin dispersed in water, available in gloss, semi-gloss and matt.



APPLICATIONS:

- Provides optimal – high quality and ecological – protection of parquets and other wooden floors in high traffic areas
- Not suitable for direct use on smoke oak or on exotic and fruit-tree wood (in such cases, we recommend using Artelit primer S-460 first)

BENEFITS:

- Free of NMP
- Easy application with a roller
- Minimum negative impact on wood

TECHNICAL PARAMETERS:

- Coverage/ layer: 0,1–0,15 l/m²
- Drying time at +23°C/ 50% r.h.:
 - second layer after 3–5 h
 - careful use after 48 h
 - final hardness after 7–10 days

Product name	Content	Packaging	Pieces per pallet
PW-480 1C Water PU-Based Varnish	5 l	Canister	128

AB-441

2C Acid Varnish



Two-component acid curing varnish dedicated for use in high traffic areas, on floors and stairs.

APPLICATIONS:

- Especially developed for interior wooden surfaces
- Suitable for floors and stairs thanks to its high abrasion resistance

BENEFITS:

- Very high abrasion resistance
- Quick curing
- High solid content
- Application with a roller, metal trowel or spray (airless or cup spray gun is also possible)

TECHNICAL PARAMETERS:

- Coverage/ layer: 0,1–0,15 l/m²
- Drying time at +23°C/ 50% r.h.:
 - second layer after 3–4 h
 - careful use after 24 h
 - final hardness after 7–10 days

Product name	Content	Packaging	Pieces per pallet
FS-415	4,5 l – Varnish	Canister	60
Solvent-Based Parquet Filler	0,45 l – Hardener	Bottle	120

KH-440

1C Alkyd Varnish



One-component sealing coat based on a high-quality urethanised alkyd in mild (de-aromatised) solvents.

APPLICATIONS:

- Sealing of all parquet, wooden, and cork floors
- Suitable also for problematic floors such as parquet flooring installed on floor heating, sports floors, industrial parquet flooring, wood-block paving

BENEFITS:

- Anti-slip
- High solid content
- Easy-to-apply

TECHNICAL PARAMETERS:

- Coverage/ layer: 0,08–0,1 l/m²
- Drying time at +23°C/ 50% r.h.:
 - second layer after 14–16 h
 - careful use after 48 h
 - final hardness after 10–14 days

Product name	Content	Packaging	Pieces per pallet
KH-440 1C Alkyd Varnish	5 l	Bucket	120
	10 l	Bucket	60

OL-610

Fast-Drying Parquet Oil



Fast-drying oil which protects and finishes wooden surfaces. To improve mechanical and chemical resistance of the floor (and to achieve faster drying as well), we recommend to mix it with the OL-610 Hardener in the ratio of 10:1.

APPLICATIONS:

- Designed for parquets and other wooden floors

BENEFITS:

- Based on natural oil
- High solid content
- Free of solvents according to TRGS 617
- Easy and fast application with a roller

TECHNICAL PARAMETERS:

- Coverage/ layer: 0,025–0,04 l/m²
- Drying time at +23°C/ 50% r.h.:
 - second layer after 1 h
 - coating with water-based varnish after 24 h
 - coating with solvent-based varnish after 48 h

Product name	Content	Packaging	Pieces per pallet
OL-610 Fast-Drying Parquet Oil	2,5 l	Can	105

OL-610

Oil Hardener



Isocyanide-based hardener for OL-610 Fast-drying Parquet Oil.

BENEFITS:

- Mixes easily with OL-610
- Improves mechanical and chemical resistance of the floor
- Speeds up drying

TECHNICAL PARAMETERS:

- Mixing ratio: 10 parts of OL-610 and 1 part hardener OL-610
- Pot life: 2 h at +23°C/ 50% r.h.

Product name	Content	Packaging	Pieces per box
OL-610 Oil Hardener	0,5 l	Metal can	24

OL-610

Oil Thinner



Thinner compatible with varnishes KH-440, AB-441 or the oil line. Also suitable for cleaning of tools or polluted surfaces. Improves penetration of varnish or oil into wood, but reduces the content of dry matter.

BENEFITS:

- Thinned materials are more fluid and penetrate better and deeper into timber structure
- Free of aromatic substances

Product name	Content	Packaging	Pieces per box
OL-610 Oil Thinner	1 l	Metal can	12

OL-611

Coloured Parquet Oil

High quality interior coloured oil designed for parquets and other new or original wooden floors. To protect the colour, the floor can also be treated with the 2C water-based varnish AB-441, Urethane-Alkyd Varnish KH-440 or Oil-Wax OL-650. Available colours: teak, smoked oak, olive, white, grey, and walnut.



BENEFITS:

- Enriches the wood with a beautiful colour
- Based on natural oil
- Wide colour range
- Fast and easy application with a roller
- Colour shades can be mixed together to create your own colour tone

TECHNICAL PARAMETERS:

- Coverage/ layer: 0,025–0,04 l/m²
- Drying time at +23°C/ 50% r.h.: 1 h
 - second layer after 48 h
 - coating with water-based varnish after 3 days
 - coating with solvent-based varnish after 10–14 days
 - careful use after 3 days (2c oil after 1 day)
 - final hardness after 10 days (2c oil after 3 days)

Oil Colours:



Product name	Content	Packaging	Pieces per box	Pieces per pallet
OL-611 Coloured Parquet Oil	1 l	Metal can	11	396

OL-620

Parquet Oil

Oil for surface finish and impregnation of wooden floors in interiors. The product is based on natural oils and is characterised by its high solid content and easy application.



APPLICATIONS:

- For wooden floors and parquets
- Suitable for hard and soft wood

BENEFITS:

- Based on natural oil
- High solid content
- Easy application with a roller
- Penetrates easily into the substrate due to low density

TECHNICAL PARAMETERS:

- Coverage/ layer: 0,07–0,1 l/m²
- Drying time at +23°C/ 50% r.h.:
 - second layer after 60 min
 - careful use after 3 days
 - final hardness after 8–10 days

Product name	Content	Packaging	Pieces per pallet
OL-620 Parquet Oil	5 l	Canister	128

OL-650

Oil-Wax for Parquet

Mixture of oil and wax which forms a hard layer after application. Designed for surface finish of parquets and wooden floors, making them more resistant against dirt and spots. Also suitable for treatment of floors coated with Coloured Parquet Oil OL-611.



APPLICATIONS:

- For parquets and wooden floors
- Suitable for hard and soft wood
- Ideal for heavy traffic areas: corridors, industrial parquets

BENEFITS:

- Based on natural oils, resins and waxes
- Easy application with a roller
- Simple maintenance

TECHNICAL PARAMETERS:

- Coverage/ layer: 0,05–0,08 l/m²
- Drying time at +23°C/ 50% r.h.:
 - second layer after 24 h
 - careful use after 3 days
 - final hardness after 10–14 days

Product name	Content	Packaging	Pieces per pallet
OL-650 Oil-Wax for Parquet	5 l	Bucket	90

OL-670

Wax

Floor maintenance product based on natural wax and mild solvents.



APPLICATIONS:

- Maintenance of wooden floors treated with OL-650 Oil-Wax or other Artelit oils

BENEFITS:

- Easy to apply
- Does not contain preservatives
- Water-resistant
- Antistatic and anti-slip

TECHNICAL PARAMETERS:

- Coverage: 30–40 ml/m² for a single application
- Drying time: 1–3 h

Product name	Content	Packaging	Pieces per box	Pieces per pallet
OL-670 Wax	1 l	Metal can	12	432

OL-680

Soap for Oil

A special soap designed for cleaning and maintaining oiled and waxed wooden surfaces. An additional care product (maintenance oil, wax) must be applied at appropriate intervals, as required by care instructions.



APPLICATIONS:

- Suitable for cleaning oiled and waxed wooden surfaces

BENEFITS:

- Highly concentrated soap combination
- No added scents or preservatives
- Lipid regulating effect
- Based on natural vegetable oils

TECHNICAL PARAMETERS:

- Consumption: approx. 100 ml per 10 l of water
- Diluter/ cleaning agent: water immediately after use
- Application: standard mops
- Drying time: 30–60 min

Product name	Content	Packaging	Pieces per pallet
OL-680 Soap for Oil	5 l	Metal can	90

OL-690

Oil Care

Floor maintenance product based on natural oils and mild solvents, especially designed for oiled wooden floors.



APPLICATIONS:

- Maintenance of oiled wooden floors
- Not suitable for waxed floors

BENEFITS:

- Free of chlorinated solvents and aromatics
- Free of preservatives
- Easy to use

TECHNICAL PARAMETERS:

- Diluter/ cleaning agent: OL-610 Thinner
- Coverage: 20–40 ml/m² per application
- First careful use: after ca. 24 h
- Drying time: 12 h

Product name	Content	Packaging	Pieces per pallet
OL-690 Oil Care	5 l	Metal can	90

PM-100

Floor Cleaner



Highly efficient, water-based cleaner for all types of water-resistant flooring.

APPLICATIONS:

- Cleaning varnished parquets, ready-made parquets, linoleum, PVC or laminate flooring

BENEFITS:

- Highly efficient
- Enhances floor appearance

TECHNICAL PARAMETERS:

- Consumption: ca. 0,1 l/7-8 l water
- Drying time: 30-60 min
- Application with a cloth

Product name	Content	Packaging	Pieces per box	Pieces per pallet
PM-100 Floor Cleaner	0,75 l	Bottle	15	432

PM-120

Parquet Care



Water-based product suitable for maintenance of all water-resistant floors. Forms a protective layer resistant to scratches and dirt. PM-120 Parquet Care does not require polishing.

APPLICATIONS:

- Maintenance of varnished parquets, ready-made parquets, as well as linoleum and PVC coverings
- Suitable for sports surfaces in accordance with DIN 18032-2

BENEFITS:

- Forms a protective layer
- High resistance against abrasion and scratching

TECHNICAL PARAMETERS:

- Coverage/ layer: 0,03-0,05 l/m²
- Drying time at +23°C/ 50% r.h.:
 - further treatment after 2 h
 - careful use after 2-4 h
- Application with a cloth

Product name	Content	Packaging	Pieces per box	Pieces per pallet
PM-120 Parquet Care	0,75 l	Bottle	15	432



ELASTIC FLOOR COVERING SYSTEMS

- 226 WB-280 Primer for Non-Absorbent Substrates
- 226 WB-290 Primer for Absorbent Substrates – Concentrate
- 226 EB-270 Epoxy Primer
- 228 RC-001 Emergency Repair Compound
- 228 LC-700 Sturdy Levelling Compound for Repairs
- 229 LC-702 Sturdy Liquid Levelling Compound
- 229 LC-705 Self-Levelling Compound up to 5 mm
- 230 LC-710 Classic Self-Levelling Compound up to 10 mm
- 231 LC-720 Anhydride Self-Levelling Compound up to 20 mm
- 231 LC-735 Cement Screed up to 35 mm
- 232 LC-760 Cement Screed up to 60 mm
- 234 WB-965 Carpet Adhesive
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- 235 WB-977 Conductive Adhesive for Floor Coverings
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- 238 PB-985 2C PU Adhesive for Elastic Coverings
- 238 SB-510 Universal Contact Adhesive

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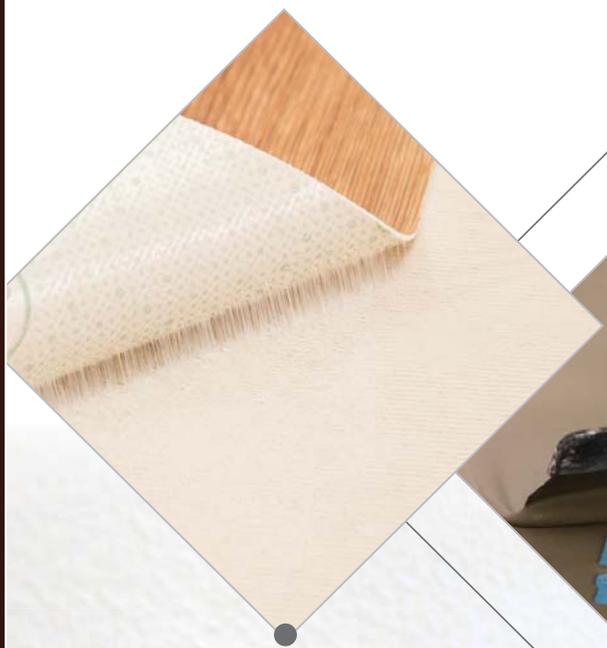
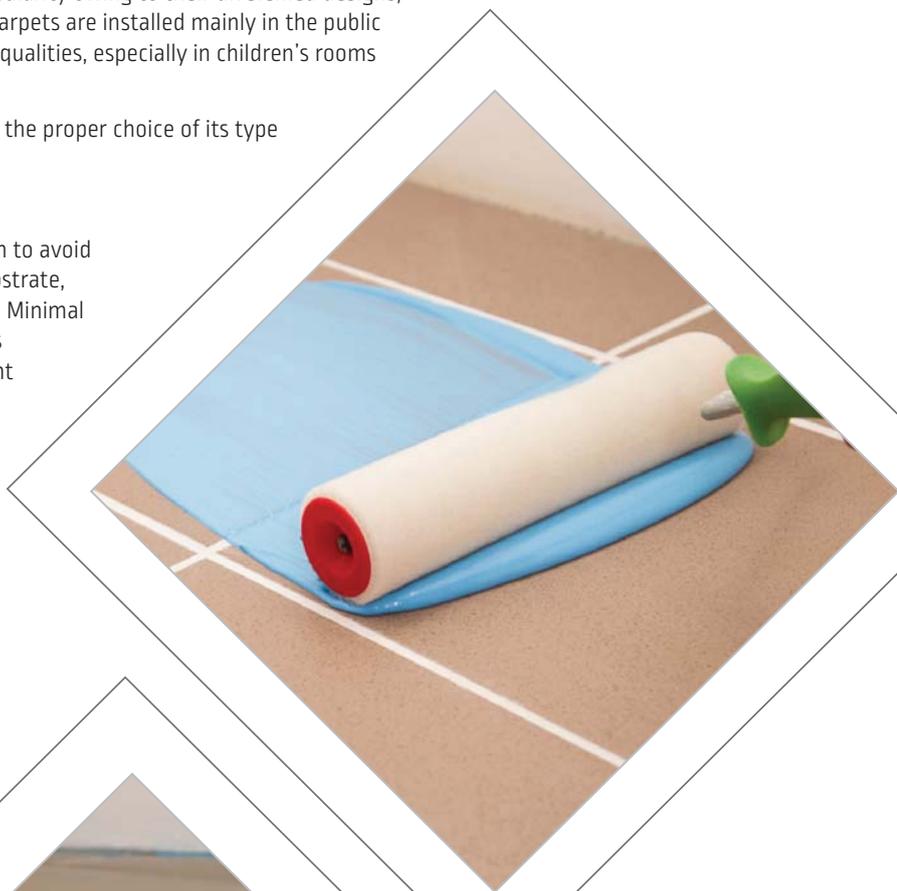
Elastic Floor Covering Systems

Elastic Floor Covering Systems enjoy growing popularity owing to their diversified designs, modern materials and the comfort of usage. Elastic carpets are installed mainly in the public utility buildings. Individual investors appreciate their qualities, especially in children's rooms and bedrooms.

The durability of a carpet depends, among others, on the proper choice of its type and the professional performance of its installation.

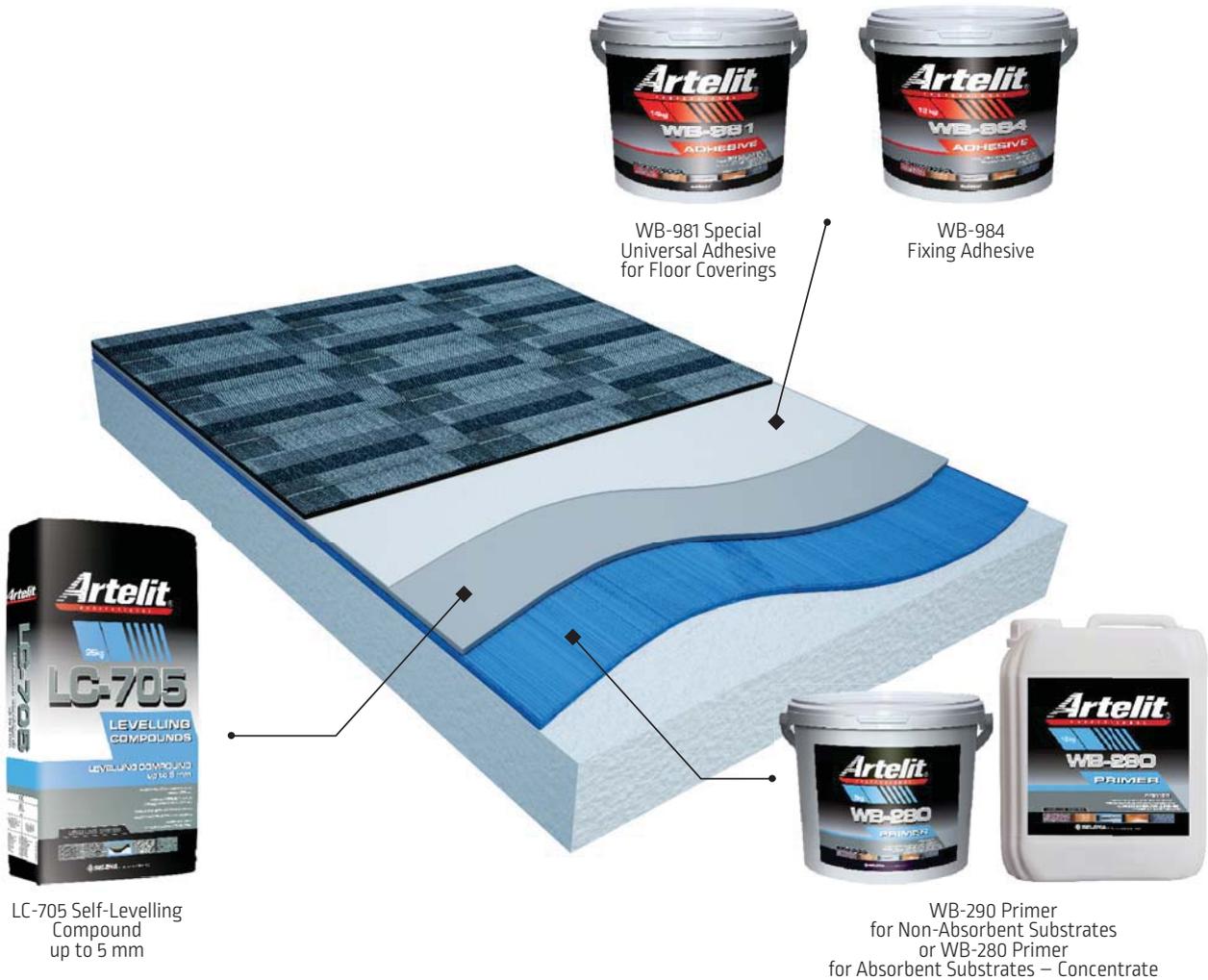
Extra attention should be paid to:

1. The preparation of substrate which should be even to avoid irregularities. In case of random defects of the substrate, the LC-700 Levelling Compound should be applied. Minimal strength of the substrate should be 16 MPa and its moisture content should not exceed 2% for cement substrates and 0,5% for anhydrite substrates.
2. The proper choice of an adhesive depends on the type of carpet and on the place where it is used. Artelit Professional system provides a series of products dedicated for various carpets.



Modern Elastic Floor System

Modern Elastic Floor System includes mainly technologically advanced materials such as carpet tiles, and LVT (Luxury Vinyl Tiles). Carpet tiles are extremely popular in offices because of the ease with which the specific elements can be exchanged. As for the LVT tiles, they ensure long-term usage and they come in a rich choice of patterns and designs. Artelit Professional system meets all the requirements of the proper installation of this type of carpets. Here we recommend the WB-290 or WB-280 Primers depending on the absorptivity of the substrate. LC-700 Levelling Compound, LC-705 Self-Leveling Compound, WB-981, WB-984, or WB-986 adhesives.



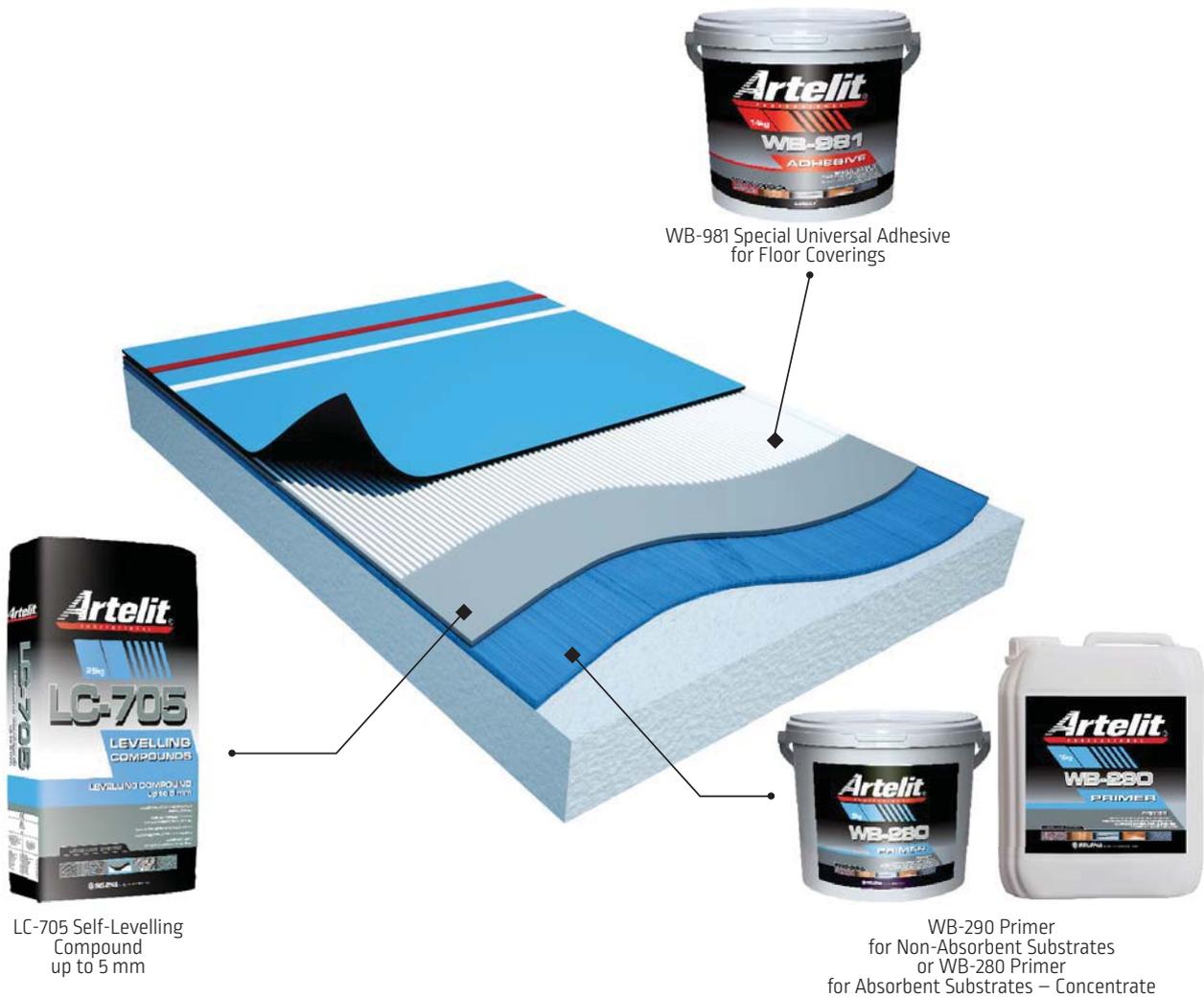
Traditional Elastic Floor System

Traditional Elastic Floor are mainly fitted carpets and PVC floor coverings which are commonly used in schools, offices, hospitals and residential buildings. Investors choose them thanks to their esthetic values, the comfort of usage and the ease and quickness of installation. The most commonly used Artelit Professional system for traditional carpets includes: WB-280 or WB-290 Primers (depending on the absorptivity of the substrate), LC-700 Levelling Compound, LC-705 Self-Levelling Compound, WB-965 Carpet Adhesive or WB-975 PVC Adhesive.



Sports Carpets System

Sports carpets are installed mainly in the modern sports halls in compliance with the DIN 1803-2 standard. They have to meet the requirements of elasticity and resilience. The installation of the sports floor starts with the substrate preparation and the installation of the wooden grating which is then covered with panels to which the carpet is eventually glued. Artelit Professional system offers the following products for the installation of the sports carpets: WB-280 or WB-290 depending on the absorptivity of the substrate, LC-705 Self-Levelling Compound and WB-981 Adhesive.



WB-280

Primer for Non-Absorbent Substrates



One-component primer designed for smooth and non-absorbent substrates.

APPLICATIONS:

- Ideal for application on old ceramic tiles, PVC, CV flooring, linoleum, natural stone, terrazzo, bitumen substrates, original epoxy paints, OSB boards, wooden subfloor, etc.
- Not recommended for surfaces permanently exposed to water
- For interior and exterior use

BENEFITS:

- EC1 Plus
- Fast-drying, ready to use
- Solvent-free
- Resistant to water
- For walls and floors
- For floor heating systems
- Free of unpleasant smell
- Application with a roller or brush

TECHNICAL PARAMETERS:

- Coverage/layer: 0,1–0,13 l/m², undiluted
- Application temperature: min +15°C
- Drying time at +20°C/ 50% r.h.: 0,5–1 h
- Temperature resistance: < +50°C

Product name	Content	Packaging	Pieces per pallet
WB-280	5 l	Bucket	90

WB-290

Primer for Absorbent Substrates – Concentrate



Primer for absorbent substrates which reduces absorption of water, increases adhesion of the substrate and protects dry construction materials, e.g. plaster substrates, against moisture. When mixed with a cement compound, it creates an ideal bonding slurry for application in demanding conditions or on difficult substrates.

APPLICATIONS:

- Ideal for use on concrete, cement compounds, plaster substrates, fast-drying screeds etc.
- For interior and exterior use.

BENEFITS:

- Odourless and solvent-free
- With pigment for identification of treated surfaces
- For floor heating systems
- Can be diluted with water up to the proportion of 1:5
- For walls and floors
- Application with a roller or brush

TECHNICAL PARAMETERS:

- Coverage/ layer: 0,04–0,1 l/m², depending on absorption of the substrate and mixing ratio
- Application temperature: min +15°C
- Drying time at +20°C/ 50% r.h.: ca. 10–30 min
- Drying on plaster substrates: 24 h to create a separation layer

Product name	Content	Packaging	Pieces per pallet
WB-290	10 l	Canister	60

EB-270

Epoxy Primer



This epoxy primer is ideal for preparation of substrates with increased residual moisture ≤ 4,0% cm. Can be diluted with water (up to 1,5 l), according to the type of application.

APPLICATIONS:

- Can be applied on absorbent, non-absorbent and smooth substrates, vertical and horizontal surfaces
- For interior and exterior use

TECHNICAL PARAMETERS:

- Working time: up to 2 h
- Ready for foot traffic: 30–60 min
- Coverage: 0,2–0,35 kg/m² with two-layer coating

BENEFITS:

- Forms an ideal contact layer in connection
- With silica sand
- Free of solvents according to TRGS 610
- For floor heating systems
- Excellent penetration into the substrate
- High spreading rate
- Easy application using a roller or brush

Product name	Content	Packaging	Pieces per pallet
EB-270	3,5 kg	Bucket	45



ARTELIT PRIMERS	WB-280	WB-290	EB-270
CHEMICAL BASE	DISPERSION	DISPERSION	EPOXY
Consumption (kg/m ²) *	0,1–0,13	0,05–0,08	0,2–0,25 (0,35 without water)
Density (g/m ³)	1,3	1,04	1,1
Drying time	30–60 min	10–30 min	30–60 min
Application of next layers	30–60 min	10–30 min	after 24 h
TECHNICAL FEATURES			
Number of layers	1	1	2
Dilute with water	no	yes, 1:3 or 1:5	yes, max 2 l for one package**
Sanding with silica sand	no	no	yes
Colour	turquoise	blue	green
TYPE OF SUBSTRATE			
Absorbent			
Non absorbent			
Bitumen			
Concrete			
Rapid screed			
Terazzo			
Cement levelling screed			
Anhydrite screed			
Wooden			
Ceramic tiles			
Natural stone			
OSB, chipboard V 100			
Residues of synthetic adhesives			
Tightly glued PVC, CV, rubber, linoleum			
Steel and other metals			
Magnesite			
Underfloor heating			
ENVIRONMENT			
Areas with high or permanent humidity			
Substrates with high humidity (<4%)			
Interior			
Exterior			
Wall and floor			

* depends on the absorbency of the substrate
 ** only on absorbent substrates

RECOMMENDED

CONDITIONALLY RECOMMENDED

NOT RECOMMENDED

RC-001

Emergency Repair Compound

Emergency Repair Compound based on polyester resin. The packaging includes metal clips for reinforcing of the seam and a hardener for adjustment of the working time.



APPLICATIONS:

- Ideal for stitching of concrete, filling cracks, fissures and holes in cement screeds and concretes.
- Anchoring of metal parts, natural and artificial stone
- Installation of wooden floor boards (together with nails)
- Note: for repairing of fissures in bitumen substrates, we recommend using polyurethane compound PB-985
- For interior and exterior areas

TECHNICAL PARAMETERS:

- Working time: up to 20 min
- Possibility of full loading: after 30–60 min
- Coverage: 1,5 kg/m²
- Temperature resistance: < +50°C

BENEFITS:

- Water-free
- For floor heating systems
- For high loads

Product name	Content	Packaging	Pieces per box	Pieces per pallet
RC-001 Emergency Repair Compound	300 ml + 300 ml	Bottle	10	390

LC-700

Sturdy Levelling Compound for Repairs

Very strong levelling compound recommended for repairs and smoothing of interior subfloors.



APPLICATIONS:

- Repairs of fissures
- Levelling and smoothing of the substrate
- Correcting min or unevenness and holes
- Up to 10 mm
- For interior use

TECHNICAL PARAMETERS:

- Working time: ca. 15 min
- Ready for foot traffic: ca. 30 min
- Ready for covering: after 4 h
- Coverage: ca. 1,5 kg/m²/mm
- Pressure strength: < 25,0 MPa
- Tensile strength under bending: < 7,0 MPa

BENEFITS:

- High hardness and strength
- Minimum internal stress
- For floor heating systems
- Suitable for caster wheel load (in case of layers thicker than 2 mm)

Product name	Content	Packaging	Pieces per pallet
LC-700 Sturdy Levelling Compound for Repairs	25 kg	Bag	42

LC-702

Liquid Levelling Compound

Ready-to-use levelling compound for immediate application. Forms a levelling layer of 2–3 mm.

APPLICATIONS:

- Levelling and smoothing of local unevenness prior to the installation of thin elastic flooring
- For interior use – minimal shrinking

TECHNICAL PARAMETERS:

- Technical parameters:
- Ready for covering: ca. 48 h
- Coverage: ca. 1,5 kg/m²/mm

BENEFITS:

- For fast application
- Contains mould-preventing additives



Product name	Content	Packaging	Pieces per pallet
LC-702 Liquid Levelling Compound	17 kg	Bucket	44

LC-705

Self-Levelling Compound up to 5 mm

Fast-drying, self-levelling, thin-layer mixture suitable for levelling unevenness up to 5 mm.

APPLICATIONS:

- Levelling of substrates before installation of elastic flooring, such as PVC, linoleum, carpets or cork tiles
- Ideal for vinyl components
- For interior use

TECHNICAL PARAMETERS:

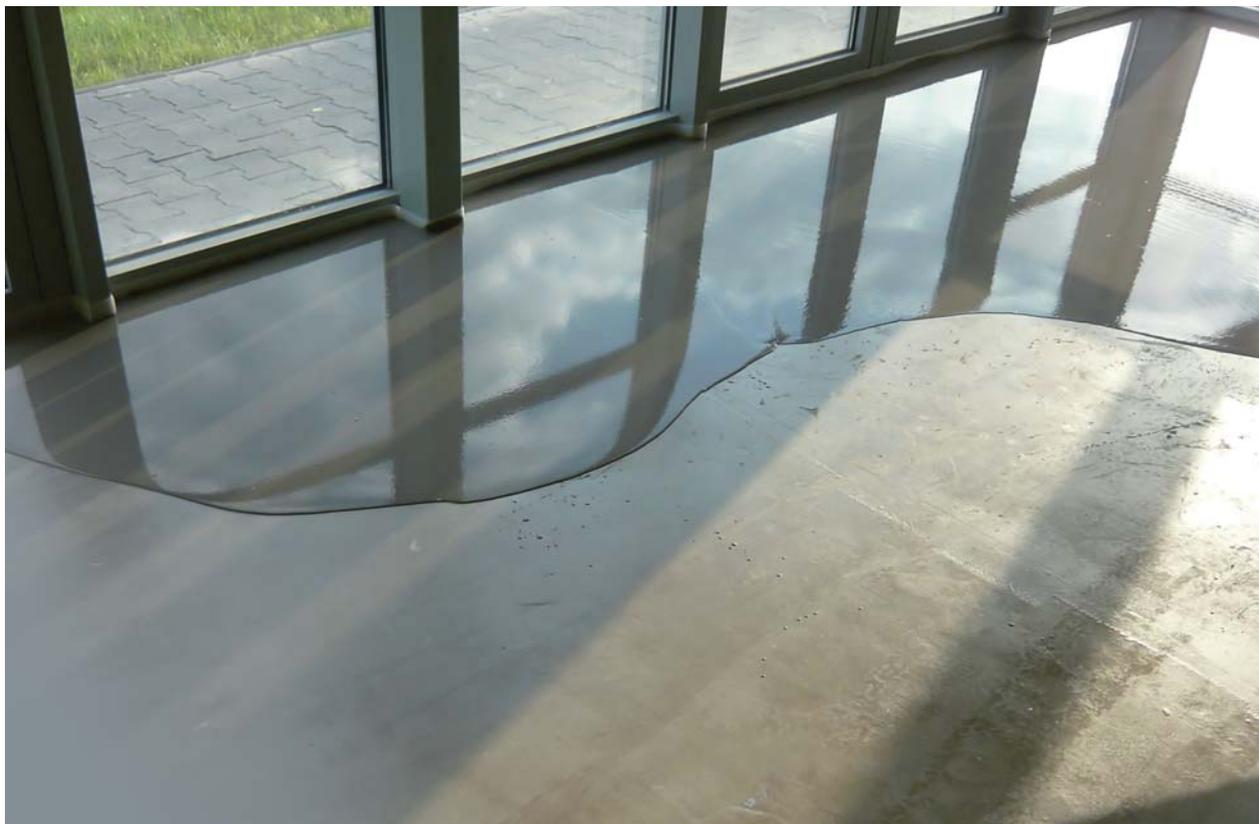
- Working time: ca. 30 min
- Ready for foot traffic: ca. 3 h
- Ready for covering: ca. 24 h
- Coverage: ca. 1,5 kg/m²/mm
- Pressure strength: < 20,0 MPa
- Tensile strength under bending: < 6,1 MPa

BENEFITS:

- Very hard and strong
- Minimal internal stress
- Possible application by pump
- For floor heating systems
- Suitable for caster wheel load (in case of layers thicker than 2 mm)



Product name	Content	Packaging	Pieces per pallet
LC-705 Self-Levelling Compound up to 5 mm	25 kg	Bag	48



LC-710

Classic Self-Levelling Compound up to 10 mm

| Fast-drying, self-levelling, thin-layer compound suitable for levelling unevenness up to 10 mm.



APPLICATIONS:

- Levelling of the substrate before installation of flooring, such as PVC, carpet, cork, linoleum or parquets
- For interior use

BENEFITS:

- Very hard and strong
- Minimal internal stress
- Possible application by pump
- For floor heating systems
- Suitable for caster wheel load (in case of layers thicker than 2 mm)

TECHNICAL PARAMETERS:

- Working time: ca. 30 min
- Ready for foot traffic: ca. 3 h
- Ready for covering: ca. 24 h (with 5 mm layer) or 48 h (with 10 mm layer)
- Coverage: ca. 1,5 kg/m²/mm
- Pressure strength: < 20,0 MPa
- Tensile strength at bending: < 6,1 MPa

Product name	Content	Packaging	Pieces per pallet
LC-710 Classic Self-Levelling Compound up to 10 mm	25 kg	Bag	48

LC-720

Anhydride Self-Levelling Compound up to 20 mm



This self-levelling anhydride-based compound is especially designed for use on anhydride screeds, however, it can also be applied on cement, bitumen and wooden substrates.

APPLICATIONS:

- Optimal for all types of flooring, including parquets
- For interior use only

BENEFITS:

- Very low emission EC1
- Minimal internal stress
- Possible application by pump
- For floor heating systems
- Suitable for caster wheel load (in case of layers thicker than 1,5 mm)

TECHNICAL PARAMETERS:

- Working time: ca. 30 min
- Ready for foot traffic: ca. 3 h
- Ready for covering: ca. 24 h (with the thickness of 5 mm), value 0,5% cm
- Coverage: ca. 1,5 kg/m²/mm
- Pressure strength: < 36,7 MPa
- Tensile strength at bending: < 11,9 MPa

Product name	Content	Packaging	Pieces per pallet
LC-720 Anhydride Self-Levelling Compound up to 20 mm	25 kg	Bag	42

LC-735

Cement Screed up to 35 mm



LC-735 Cement Screed ensures a smooth substrate prior to the installation of all types of floor coverings. Contains fiber for higher flexibility and durability.

APPLICATIONS:

- Under textile carpets, PVC, parquets, ceramic tiles and stone tiles
- Can be applied in areas temporarily exposed to increased humidity (bathrooms, kitchens, basements, garages)
- Can be used with electrical floor heating systems – the minimum thickness should be 25 mm

BENEFITS:

- Easy to apply
- Layer thickness 5–35 mm
- Suitable for floor heating systems

TECHNICAL PARAMETERS:

- Working time: approx. 20 min
- Ready for foot traffic: approx. 6 h
- Ready for covering: approx. 48 h
- Coverage: approx. 1,7 kg/m²/mm

Product name	Content	Packaging	Pieces per pallet
LC-735 Cement Screed up to 35 mm	25 kg	Bag	48

LC-760

Cement Screed up to 60 mm



LC-760 Cement Screed is recommended for surfaces which require rougher levelling. Forms a layer from 3 to 60 mm thick. Due to the minimal ratio of mixing with water (only 4,5 l/ 25 kg of dry mixture), it has very low shrinkage rate and excellent properties.

APPLICATIONS:

- For interior and exterior use
- Optimal for levelling of concrete, cement screeds, bitumens cat. IC 10 and IC 15 according to DIN 18 354 and DIN 18 560

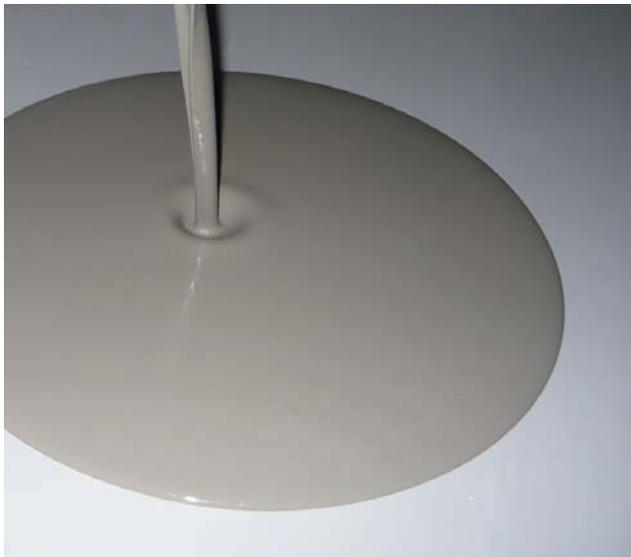
BENEFITS:

- Very low emissions
- Resistant against freezing and water
- Minimal volume changes
- Suitable for floor heating systems
- Sand can be added without reducing strength
- Possible application by pump
- Suitable for caster wheels
- Low content of chrome

TECHNICAL PARAMETERS:

- Working time: ca. 40 min at +18°C
- Application temperature: +5 to +25°C
- Pressure strength: > 35 MPa
- Ready for foot traffic: after ca. 4 h
- Ready for covering: after 24 h with the layer thickness up to 10 mm
- Coverage: ca. 1,7 kg/m²/mm

Product name	Content	Packaging	Pieces per pallet
LC-760 Cement Screed up to 60 mm	25 kg	Bag	42





WB-965

Carpet Adhesive

Dispersion adhesive free of organic solvents. It is designed for all absorbent substrates in interiors, such as concrete, levelling compounds, wooden chip board, wooden floors etc. In order to increase adhesion, we recommend using Artelit primer WB-290 or WB-291.



APPLICATIONS:

- Bonding of textile lining with synthetic or jute-fibre back face, with latex or foam back face, as well as other types of textile lining (coconut, sisal, hemp fibre)
- Bonding of PVC lining with textile base in public utility and residential areas
- Bonding of mineral wool on all absorbent substrates

TECHNICAL PARAMETERS:

- Vaporization time: ca. 10 min
- Working time: up to 20 min (at +20°C)
- Full loading: after 72 h
- Coverage: 0,4 kg/m² (A2 racking)
- 0,45–0,55 kg/m² (B1, B2 racking)

BENEFITS:

- Odour-free, smooth creamy consistence
- High initial bonding strength
- Resistant against shampooing
- Suitable for floor heating systems and caster wheels
- Fast and easy application
- Short time of vaporization

Product name	Content	Packaging	Pieces per pallet
WB-965 Carpet Adhesive	20 kg	Bucket	33

WB-975

PVC Adhesive

Dispersion adhesive designed for horizontal and vertical surfaces. The adhesive has very good adhesion to common absorbent construction substrates, such as concrete, cement substrates, anhydride- and cement-based levelling compounds. In order to increase adhesion, we recommend using Artelit primer WB-290 or WB-291.



APPLICATIONS:

- Bonding of floor coverings made of PVC and CV
- Bonding textile lining with foam base – smooth or embossed, with latex layer or PU base
- For interior use

TECHNICAL PARAMETERS:

- Vaporization time: ca. 10–15 min
- Working time: 60–70 min (at +20°C)
- Final strength: after 72 h
- Coverage: 0,3–0,35 kg/m² (A1–A4 racking)

BENEFITS:

- High initial bonding power
- Long open time
- Suitable for floor heating systems and chair casters
- Fast and easy application
- Short time of vaporization
- Solvent-free

Product name	Content	Packaging	Pieces per pallet
WB-975 PVC Adhesive	20 kg	Bucket	33

WB-976

Linoleum Adhesive

Special dispersion adhesive for linoleum floor coverings.

APPLICATIONS:

- Bonding of rolled linoleum and cork linoleum
- For interior use

BENEFITS:

- High bonding power
- Strong fibre tension
- Suitable for floor heating systems and chair casters
- Fast and easy application
- Very short time of vaporization

TECHNICAL PARAMETERS:

- Vaporization time: ca. 5 min
- Working time: 20 min (at +20°C)
- Final strength: after 72 h
- Coverage: 0,4 kg/m² (B1 racking)



Product name	Content	Packaging	Pieces per pallet
WB-976 Linoleum Adhesive	20 kg	Bucket	33

WB-977

Conductive Adhesive for Floor Coverings

Unique dispersion adhesive free of organic solvents, suitable for bonding of flooring with electrostatically conductive or antistatic treatment on all common absorbent substrates. It is not necessary to use a conductive primer. High content of carbon fibres ensures strong conductivity and facilitates assembling – only 1 common metre of copper strip is required for 30–50 m².

APPLICATIONS:

- Bonding of flooring with electrostatically conductive or antistatic treatment made of PVC, synthetic rubber and linoleum
- For interior use

BENEFITS:

- High bonding power
- With strong fibre tension
- Suitable for floor heating systems and chair casters
- Very low rate of EC1 emissions
- Resistant against shampooing of flooring
- Resistant against softeners

TECHNICAL PARAMETERS:

- Vaporization time: ca. 10 min
- Working time: 30 min (at +20°C)
- Final strength: after 72 h
- Coverage: 0,4 kg/m² (B1 racking)
- Electrical resistance: < 3 x 10⁵ Ω according to DIN EN 14 259



Product name	Content	Packaging	Pieces per pallet
WB-977 Conductive Adhesive for Floor Coverings	14 kg	Bucket	44

WB-981

Special Universal Adhesive for Floor Coverings

A universal adhesive for elastic coverings, with excellent adhesion to all common absorbent substrates in interiors.



APPLICATIONS:

- Bonding of floor coverings made of PVC and CV, textile lining with foam base, smooth and embossed base, latex or PU layer
- Linoleum, cork coverings, coverings of natural and synthetic rubber
- Sound dampening mats
- Vinyl coverings

TECHNICAL PARAMETERS:

- Vaporization time: ca. 5 min
- Working time: 30 min (at +20°C)
- Final strength: after 72 h
- Coverage:
 - 0,25–0,35 kg/m² (A1–A4 racking)
 - 0,35–0,6 kg/m² (B1–B3 racking)

BENEFITS:

- High bonding power
- Suitable for floor heating systems and chair casters
- Fast and easy application
- Short time of vaporization
- Resistant against softeners

Product name	Content	Packaging	Pieces per pallet
WB-981 Special Universal Adhesive for Floor Coverings	20 kg	Bucket	32

WB-982

Universal Dispersion Adhesive for Floor Coverings

A universal solvent-free adhesive for floor coverings suitable for all common absorbent substrates in interiors.



APPLICATIONS:

- High bonding power
- Suitable for floor heating systems and chair casters
- Fast and easy application
- Short time of vaporization
- Resistant against softeners

TECHNICAL PARAMETERS:

- Vaporization time: ca. 5 min
- Working time: 30 min (at +20°C)
- Final strength: after 72 h
- Coverage:
 - 0,25–0,35 kg/m² (A1–A4 racking)
 - 0,35–0,6 kg/m² (B1–B3 racking)

BENEFITS:

- High bonding power
- Suitable for floor heating systems and chair casters
- Fast and easy application
- Short time of vaporization
- Resistant against softeners

Product name	Content	Packaging	Pieces per pallet
WB-982 Universal Dispersion Adhesive for Floor Coverings	20 kg	Bucket	32

WB-984

Fixing Adhesive

A removable adhesive which prevents carpets from slipping on the subfloor.

APPLICATIONS:

- Removable fixing of textile lining with various bases, CV coverings and anti-slip coating coverings
- For interior use

TECHNICAL PARAMETERS:

- Curing time for 1 layer: min 6 h
- Full curing time: min 24 h
- Min layer thickness: 1,5 mm
- Total consumption: 1,3–2,0 kg/m²

BENEFITS:

- For all common absorbent substrates
- Can be applied on smooth substrates by roller
- High bonding power
- Strong fibre tension
- Suitable for floor heating systems and chair casters
- Very low rate of EC1 emissions
- Can be mixed with up to 50% water to reduce adhesion
- Resistant against shampooing of coverings

Note: Once the covering is removed, adhesive can be easily removed by cleaning agents.



Product name	Content	Packaging	Pieces per pallet
WB-984 Fixing Adhesive	12 kg	Bucket	44

WB-986

Anti-Slip Fluid for Carpet Coverings

A special fluid which prevents carpets from slipping on the subfloor and enables their easy removal.

APPLICATIONS:

- Fixing carpet tiles
- Fixing sound dampening mats

TECHNICAL PARAMETERS:

- Time of vaporization: ca. 60 min
- Consumption on non-absorbent subfloors: 50–100 g/m²
- Consumption on porous subfloors: 100–150 g/m²
- Tools: Lambswool roller or brush

BENEFITS:

- For all common absorbent substrates
- Very low VOC emission
- Easy removal
- Favourable spreading capacity
- Permanent adhesion



Product name	Content	Packaging	Pieces per pallet
WB-986 Anti-Slip Fluid for Carpet Coverings	10 kg	Bucket	44

PB-985

2C PU Adhesive for Elastic Coverings

Two-component polyurethane-based adhesive for elastic coverings, also suitable for various applications in other construction works. Can also be used as a corrective filler for filling of cracks and holes in substrate (subsequent dressing by silica sand is necessary).



APPLICATIONS:

- Bonding of heavy-duty elastic coverings, especially PVC and rubber coverings
- Installation of artificial grass
- For interior and exterior use

BENEFITS:

- For all absorbent and non-absorbent substrates
- High bonding strength
- Suitable for floor heating systems and chair casters
- Fast and easy application
- Without volume changes even for thicker layers
- Solvent- and water-free

TECHNICAL PARAMETERS:

- Time of vaporization: immediate application
- Working time: 70 min (at +20°C)
- Final strength: after 72 h
- Coverage:
 - 0,2 kg/m² (A2 racking)
 - 0,5–1,0 kg/m² (B1–B3 racking)

Product name	Content	Packaging	Pieces per pallet
PB-985 2C PU Adhesive for Elastic Coverings	7,05 kg Adhesive	Bucket	60
	1,05 kg Hardener	Bottle	60

SB-510

Universal Contact Adhesive

A universal adhesive based on synthetic resins and rubber. Suitable for contact bonding during various flooring and construction works. The adhesive has very good adhesion to absorbent and non-absorbent surfaces. It does not contain toluene.



APPLICATIONS:

- Bonding metal, concrete, stone, plasterboard, PVC, rubber (gum), felt, cork, textile or leather
- For interior and exterior use

BENEFITS:

- Highly durable and permanently flexible bond
- Economical packaging
- Free of water
- For floor heating systems
- Fast and easy application

TECHNICAL PARAMETERS:

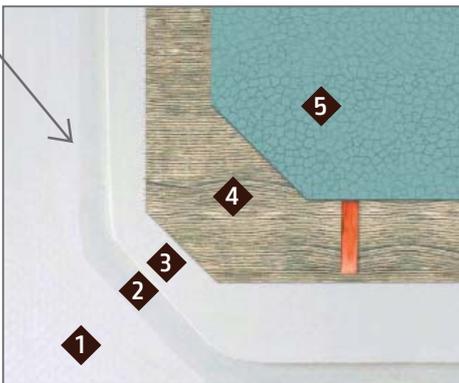
- Vaporization time: contact bonding – immediate application
- Working time: 25–45 min (at +20°C)
- Final strength: after 72 h
- Coverage: 0,2–0,3 kg/m²

Product name	Content	Packaging	Pieces per pallet
SB-510 Universal Contact Adhesive	5 l	Bucket	90

Artelit Professional Systems – Selected Solutions

	Description	Artelit Products	Recommendation
1	Anhydrite substrate	–	Sanding
2	Primer	WB-290	Mix with water in 1:1 ratio
3	Leveling compound	LC-720	Thickness 2–20 mm
4	Conductive adhesive	WB-977	For PVC, linoleum, carpet
5	Earthing	–	1 m of copper tape

Electrostatic flooring on anhydrite substrate

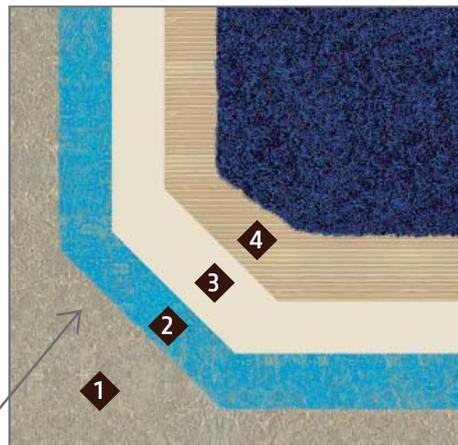
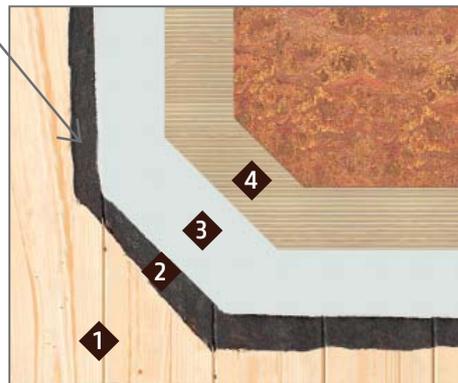


Parquet flooring on non absorbent substrate

	Description	Artelit Products	Recommendation
1	Concrete substrate	–	Sanding
2	Primer	EB-270	Sanding with silica sand or WB-280
3	Leveling compound	LC-760	3–30 mm, 40 MPa
4	2 C PU adhesive	PB-890	Working time up to 90 min
5	Parquet filler	FS-415	Mix with wooden dust
6	1 C primer varnish	S-460	First coat
7	1 C top varnish	PW-480	Top coats

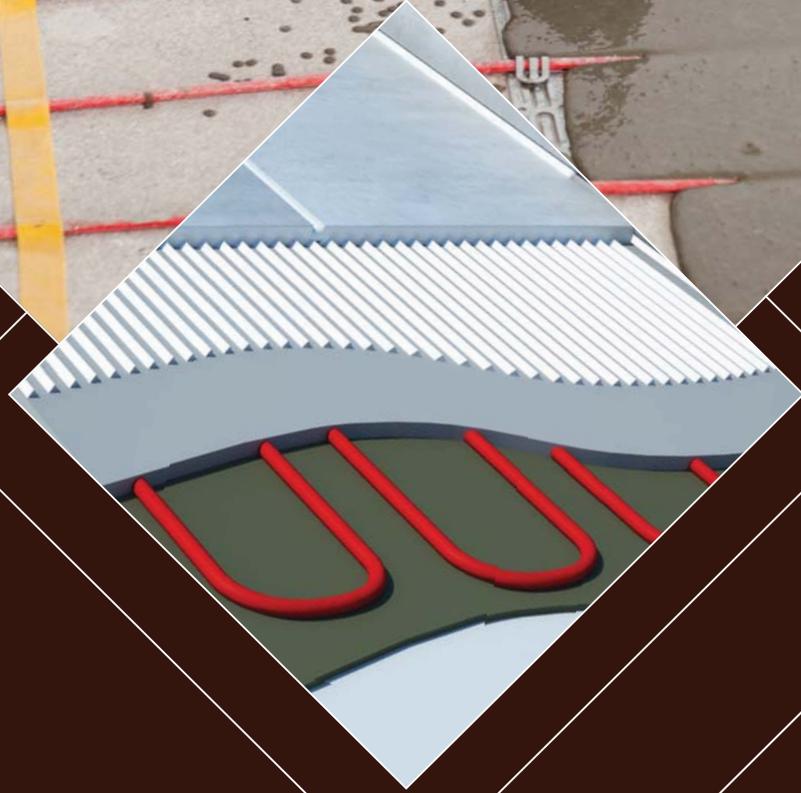
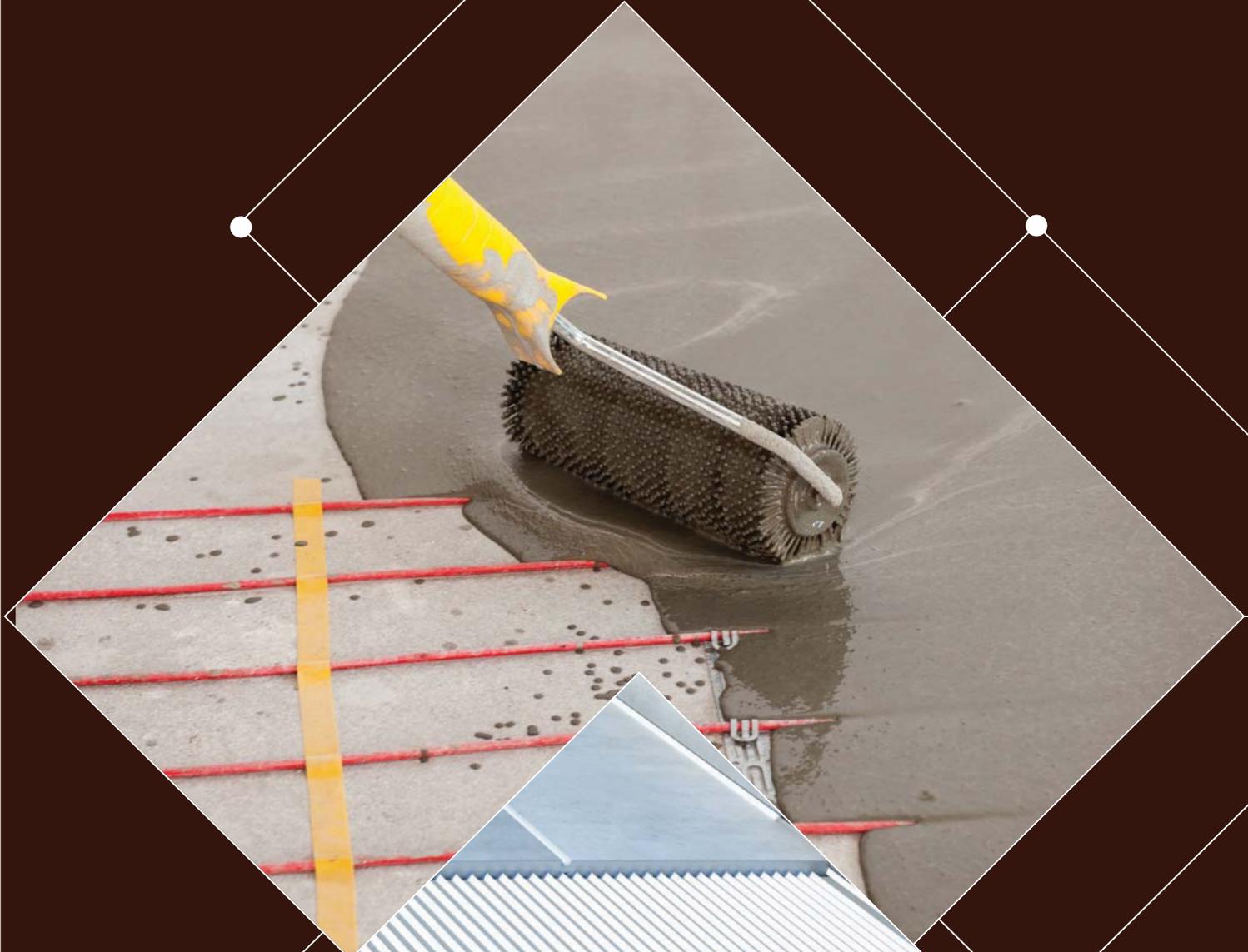
	Description	Artelit Products	Recommendation
1	Wooden substrate	–	Wood, OSB, plywood
2	Primer	WB-280	–
3	Levelling compound	LC-720	Thickness 2–20 mm
4	Adhesive	WB-975	For PVC

PVC coverings on wooden substrate



Elastic coverings on problematic substrates

	Description	Artelit Products	Recommendation
1	Concrete substrate with old adhesive residue	–	Water based adhesives
2	Primer	WB-280	–
3	Leveling compound	LC-720	Thickness 2–20 mm
4	Dispersion adhesive	WB-965	For textile coverings



TILE SYSTEM FOR UNDERFLOOR HEATING

- 244 Maestra 10-80 Quick-Setting Screed
- 244 Marmurflex S1 White Adhesive with Trass
- 245 GEA746 Wide Tile Grout
- 245 Marble & Stone Silicone

Parquet Systems 199

Elastic Floor Covering Systems 221

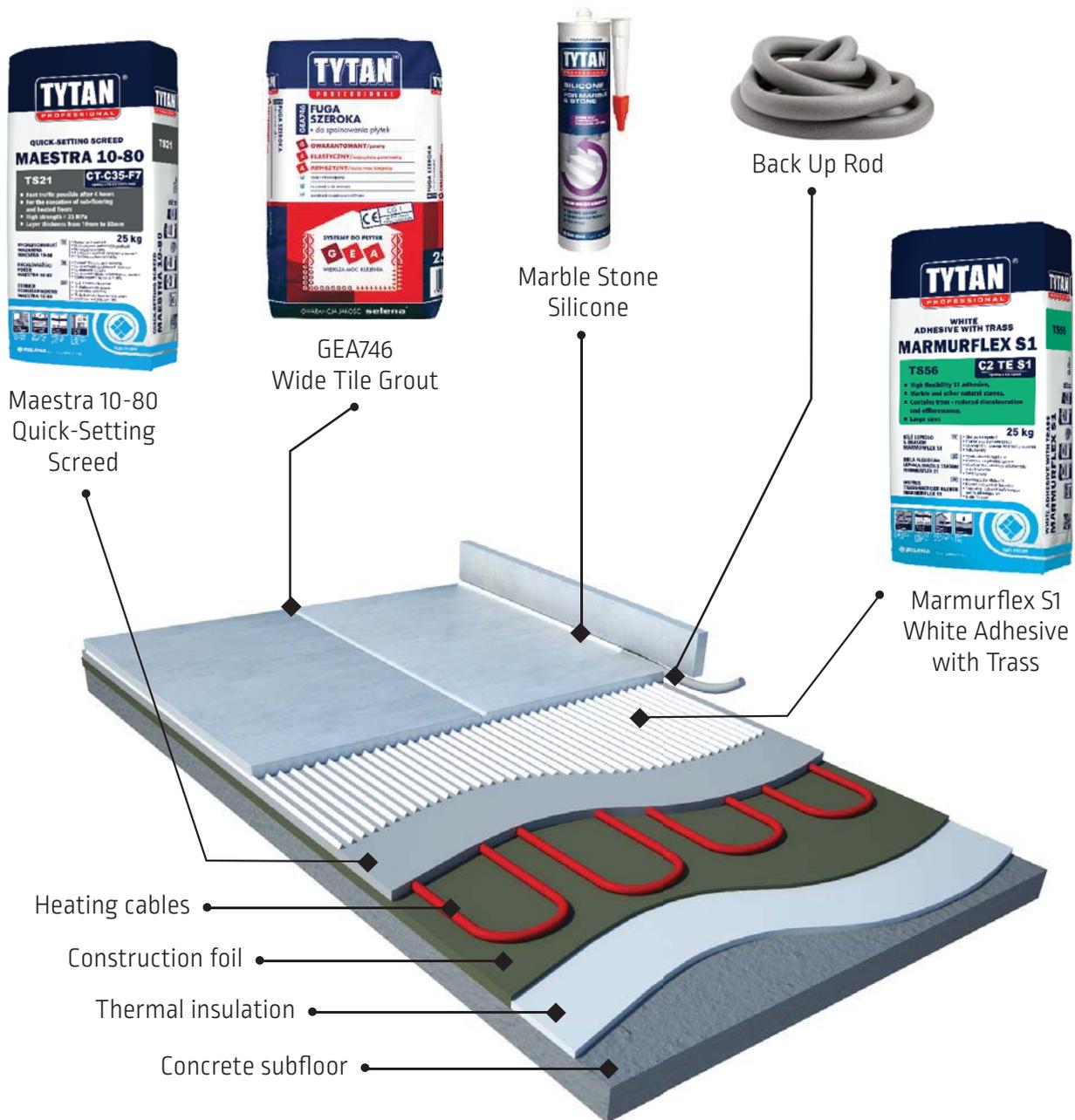
Heated floors enjoy growing popularity. The materials dedicated for rendering under Heated Floor Systems are those which have high heat conduction ratio and which are resistant to increased temperature and its fluctuations. The material of choice here is ceramic or stone. The flooring rendered with the use of these materials has an additional advantage – the possibility of laying heating pipes or mats in the layer of adhesive which bonds the flooring to the substrate rather than in the primer. This shortens the distance that heat has to travel which makes the heating more effective.



Tile System for Underfloor Heating

How to choose proper adhesive for the underfloor heating?

Flooring adhesives are designed to provide a stable and strong bonding of tiles with its subfloor. The key factors to be considered here are: the type of substrate, the location of the floor, the load on the tile and its type. Wide tiles which enjoy growing popularity are exposed to a higher thermal stresses caused by temperature fluctuations as they are usually chosen for external decks and for the heated floors. This is why when choosing the right adhesive, such parameters as good adhesion or high flexibility have to be taken into account. The C2 S1 type adhesives have a proven record of high performance in heated floors due to their excellent capacity of eliminating air voids which are the main cause of the heat loss.



Maestra 10-80 Quick-Setting Screed



Maestra Quick-Setting screed is used for subflooring inside and outside of buildings. The screed is used as the final layer for flooring panels, ceramic tiles, floorings and epoxy resin paints, carpet flooring and as a primer for self-levelling compounds. Due to its consistency, it is ideal for forming slopes.

APPLICATIONS:

- For subflooring
- Heated floors
- Balconies and terraces
- For external and internal use

BENEFITS:

- Foot traffic possible after 4 h
- Quick curing – 80 mm layer ready for tiles installation after 24 h
- Layer thickness from 10–80 mm
- High strength ≥ 35 MPa
- Water and frost resistant

TECHNICAL PARAMETERS:

- Class: CT-C35-F7
- Application temperature: $+5^{\circ}\text{C}$ to $+25^{\circ}\text{C}$
- Mixing ratio: 2,75 l of water per 25 kg of dry mortar
- Pot life: ca. 15 min
- Allowed pedestrian traffic: after ca. 4 h
- Consumption: 2,0–2,2 $\text{kg}/\text{m}^2/\text{mm}$
- Bulk density: ca. 1,65 kg/dm^3
- Compressive strength: ≥ 35 MPa
- Flexural strength: ≥ 7 MPa
- Shrinkage: 1,25 mm/m
- Aggregate maximum diameter: 3 mm
- EN 13813:2003 CT-C35-F7

Product name	Content	Packaging	Pieces per pallet
Maestra 10-80 Quick-Setting Screed TS21	25 kg	Bag	48

Marmurflex S1 White Adhesive with Trass



White Adhesive with Trass Marmurflex S1 is suitable for efficient installation of all types of natural and synthetic marble, natural stone and ceramic floor tiles, terrazzo and cement tiles in all formats. The adhesive is designed for application onto virtually any rigid and demanding (difficult) substrate.

APPLICATIONS:

- Natural and synthetic marble
- Natural stones
- Ceramic floor tiles: glazed, terracotta, clinker, mosaics
- Terrazzo and cement tiles
- For underfloor heating
- For internal and external use

BENEFITS:

- For XXL format of tiles
- White colour – perfect for marble and other natural stones
- Contains trass – reduced discolouration and efflorescence
- For underfloor heating

TECHNICAL PARAMETERS:

- Mixing ratio: 6,5–7,0 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 3 h
- Application temperature: $+5^{\circ}\text{C}$ to $+25^{\circ}\text{C}$
- Open time (skin formation): 30 min
- Correction time: 30 min
- Grouting walls/ floors: after 12/ 24 h
- Partial/ full usage: after 3/ 14 days
- Slip: $\leq 0,5$ mm
- Approximate consumption for at the thickness of 1 mm: approx. 1,4 kg/m^2
- Layer thickness 2–20 mm
- EN 12004 C2 TE S1

Product name	Content	Packaging	Pieces per pallet
Marmurflex S1 White Adhesive with Trass TS56	25 kg	Bag	48

GEA746

Wide Tile Grout



Wide Tile Grout is designated for grouting joints of 4–20 mm width on walls and floors. Thanks to specially well-chosen high-class cement compositions the product is characterized by high resistance and adhesion as well as by very good application parameters such as resistance to cracking and scratching. High technical parameters of the product allow use on renewable substrates.

APPLICATIONS:

- Wide and rustic welds
- Floors exposed to large dirt
- Heated floor
- For external and internal use
- Terracotta, clinker, gres, mosaic
- Terazzo and cement tiles, plates from natural and synthetic stone
- Heavily loaded floors (offices, shops, schools, offices)

BENEFITS:

- Water and frost resistant
- For external and internal use
- Bathrooms, kitchens, halls, corridors, stairs
- Balconies and terraces
- Joint width: 4–20 mm
- Colours: white, grey, creamy, brown, graphite, black

TECHNICAL PARAMETERS:

- Mixing ratio
 - 5,0–5,5 l of water per 25 kg of dry mortar
 - 0,20–0,22 l of water per 1 kg of dry mortar
- Pot life up to 2 h
- Application temperature: +5°C to +25°C
- Set time: 48 h (walk on), 14 days (full cure)
- Min. joint width 4 mm
- Max. joint width 20 mm
- EN 13813 CG 1



Product name	Content	Packaging	Pieces per pallet
GEA746 Wide Tile Grout	25 kg	Bag	48

Marble & Stone Silicone

Flexible and durable sealant designed for stone work. Due to its neutral curing formula and the lack of any solvents, the product does not discolour natural stone and is safe for sensitive substrates, such as copper or mirror silver. Resistant to changing weather conditions, UV radiation and high temperature differences.



APPLICATIONS:

- Pointing joints and filling expansion joints in marble, granite or stone floors
- Sealing sinks with stone tops
- Pointing joints around mirrors
- Bonding mirrors to the wall

BENEFITS:

- Does not discolour natural stone
- Excellent adhesion
- UV and weather resistant
- Fast curing

TECHNICAL PARAMETERS:

- Colour: transparent
- System of curing: neutral

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Marble & Stone Silicone	310 ml	Cartridge	12	1 440



MAINTENANCE & REPAIR

Minor defects occur in every house and we can fix them in our free time on our own. Minor repairs in and around the house are a great way of relaxing and add to the satisfaction of many DIY enthusiasts. They also bring considerable savings in the home budget.

Selena's offer includes not only products for major construction works but also for minor repairs around the house. They include universal glues and sealants in tubes and dedicated silicones for fish tanks, greenhouses, natural stone and engines. We also recommend products for assembling and protecting wooden structures, such as garden furniture, as well as fireplace, stove and grill sealants, and bathroom restoration products. Holes and ducts can be effectively filled with mounting foams, and levelling compounds will smooth out surfaces. DIY aficionados can use the latest technologies such as 60 Seconds Foam Adhesive or MS polymer-based sealants. Thanks to the wide colour palette of spray paints we can quickly and easily give new life to old objects.





MAINTENANCE & REPAIR

- 251 60 Seconds Fast Foam Adhesive
- 251 Universal Foam Adhesive
- 252 Power Flex Mounting Adhesive & Sealant
- 253 Vector Rapid Mounting Adhesive High-Tack
- 253 Gallop Fix Fast Curing Mounting Adhesive
- 254 Classic Fix Transparent Mounting Adhesive
- 254 Hydro Fix Transparent Mounting Adhesive
- 255 Fast Fix Mounting Adhesive High-Tack
- 255 Heavy Duty Mounting Adhesive
- 256 Multi Use Mounting Adhesive
- 257 Butapren Universal Contact Adhesive
- 258 EV I Chemical Anchor – Polyester Styrene Free
- 259 MDF KIT – 2K Fast Adhesive
- 259 Wood & Parquet Filler
- 260 Wood Adhesive D2
- 261 Wood Adhesive D3
- 261 Fast Setting Polyurethane Adhesive D4
- 262 4F Fire Retardant Wood Preserver
- 262 5S Wood Preserver
- 265 ART of the Colour Spray Paint
- 265 Graffiti Remover
- 266 Cover Foil
- 266 Cover Foil with Tape
- 266 Premium Masking Tape
- 268 Masking Tape
- 268 Masking Tape 14 Days
- 269 Duct Tape
- 269 Carpet Tape
- 269 Window & Door Seals D-profile, E-profile, P-profile
- 270 Aluminum Tape
- 270 PP Aluminum Tape
- 271 Universal Silicone
- 271 Sanitary Silicone UPG Express
- 272 Marble & Stone Silicone
- 272 Aquarium & Glazing Silicone
- 273 High Temperature Silicone
- 273 Fireplace Sealant
- 274 FG-1 Fungicidal Agent
- 274 Silicone Remover
- 275 TL-40 Multi-Purpose Grease
- 276 STD Summer & Winter Straw Polyurethane Foam with ERGO Applicator
- 277 Lexy 60/ 40/ 20 All Season Straw Polyurethane Foam
- 277 Multi Protection Low MDI Straw Polyurethane Foam



60 Seconds

Fast Foam Adhesive



A multipurpose foam adhesive with high adhesion to many materials and substrates. The unique formulation based on the TYTACK technology provides fast initial tack after only 60 seconds and does not expand, which ensures the stability of bonded elements and prevents deformation.

APPLICATIONS:

- Drywall and OSB boards
- Decorative elements
- Window sills
- Construction of internal walls

BENEFITS:

- TYTACK technology
- Initial tack after 60 sec
- High adhesion strength: 500 kg/10 cm²
- No priming
- No expansion
- High yield

TECHNICAL PARAMETERS:

- Initial tack: after 60 sec
- Yield:
 - 750 ml gun: ~ 40 rm
 - 750 ml straw: ~ 30 rm
 - 300 ml straw: ~ 15 rm
- Application temperature: 0°C to +30°C
- Can temperature: +10°C to +30°C
- Open time: < 2 min
- Correction time: < 3 min
- Bonding time: 60 min
- Full curing time: 24 h

Product name	Content	Packaging	Applicator	Pieces per box	Pieces per pallet
60 Seconds Fast Foam Adhesive	750 ml	Can	Gun	12	624
	750 ml	Can	Straw	12	624
	300 ml	Can	Straw	12	780

Universal

Foam Adhesive



Highly efficient adhesive characterized by excellent adhesion to most building materials and very high bonding strength. It can be used both indoors and outdoors.

APPLICATIONS:

- Wood
- Metal
- Concrete
- PVC
- Stone
- Polystyrene

BENEFITS:

- High adhesion strength: 500 kg/dm²
- Longer correction time: 15 min
- High yield

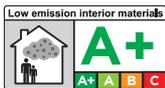
TECHNICAL PARAMETERS:

- Yield: ~ 40 rm
- Application temperature: 0°C to +30°C
- Can temperature: +10°C to +30°C
- Maximum open time: < 5 min
- Correction time: < 15 min
- Curing time: 24 h
- Shelf life: 12 months

Product name	Content	Packaging	Applicator	Pieces per box	Pieces per pallet
Universal Foam Adhesive	750 ml	Can	Gun	12	624
	750 ml	Can	Straw	12	624

Power Flex

Mounting Adhesive & Sealant



High quality adhesive & sealant based on MS Polymer. It is indispensable during renovations, where many different materials require bonding and sealing. The product in typ "2 in 1" product which combines the advantages of traditional mounting adhesives and sealants, while eliminating their disadvantages. The product is available in a wide range of colours: transparent (100% crystal clear), white, grey, anthracite, brown, black.

APPLICATIONS:

- as an adhesive:
 - Bonds all types of building materials, e.g. natural stone, brick, concrete, glass, mirror, wood, metal, polystyrene, plastics (except PE, PP, Teflon, bitumen)
- as a sealant:
 - it can replace perfectly sanitary silicone, neutral silicone, glazing silicone, roofing sealant, polyurethane sealant and other

TECHNICAL PARAMETERS:

- Colours: transparent (100% crystal clear), white, grey, anthracite, brown, black
- Working time: 10–20 min
- Curing rate: 2-4 mm/ 24h
- Application temperature: +5°C to +30°C
- Temperature resistance: -40°C to +90°C
- Low emission product (transparent version)

BENEFITS:

- High bonding strength: 300 kg/10 cm²
- Excellent adhesion to all substrates
- Very flexible joint
- No after-shrinkage
- Resistant to fungi and mould
- Waterproof joint
- Very high chemical and mechanical resistance
- For interior and exterior
- Ecological: does not contain solvents, silicones and isocyanates
- Neutral: does not corrode metals, does not damage delicate surfaces
- The joint can be painted
- 10 year warranty for the joint

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Power Flex	100 ml	Tube on blister	12	1 080
	310 ml	Cartridge	12	1 440

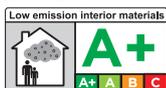
COLOUR CHART



Vector Rapid

Mounting Adhesive High-Tack

MS Polymer based adhesive with very high initial tack (200 kg/m²), designed for all mounting and finishing works. Indispensable for bonding (especially heavy) elements to the walls, facades or ceilings – without support.



APPLICATIONS:

- Excellent adhesion to all substrates used in construction (with the exception of PP, PE, Teflon and bitumen): wood, glass, mirror, metal, stone, PVC, ceramic tiles, polystyrene, brick, plaster, marble e.t.c
- Especially recommended for bonding elements to walls, facades or ceilings (also heavy ones), without using mechanical fasteners, e.g., it is well suited for bonding mirrors

TECHNICAL PARAMETERS:

- Working time: 15 min
- Curing rate: 3 mm/ 24 h
- Application temperature: +5°C to +30°C
- Temperature resistance: -40°C to +90°C
- Colour: white, grey, anthracite, brown, black
- Low emission product (transparent version)

BENEFITS:

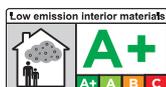
- Strong initial grab: 200 kg/m²
- Very high bonding strength: 350 kg/ 10 cm²
- Bonds all materials
- Waterproof joint
- Very high chemical and mechanical resistance
- For interior and exterior
- Ecological: does not contain solvents, silicones and isocyanates
- Neutral: does not corrode metals, does not damage delicate surfaces
- The joint can be painted

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Vector Rapid	100 ml	Tube on blister	12	1 080
	310 ml	Cartridge	12	1 440

Gallop Fix

Fast Curing Mounting Adhesive

Fast curing and very strong hybrid based mounting adhesive. It is indispensable in a situation where we expect rapid bonding (when you want to quickly use bonded elements). It forms a very strong bond that can be loaded already after 20 minutes from the application, and its full strength is reached after approx. 3 hours. The bond perfectly dampens vibrations, is resistant to weather, UV radiation and diluted chemicals.



APPLICATIONS:

- Bonding a wide range of finishing materials to typical surfaces such as: concrete, plaster, chipboard, wood, bricks, glass
- Bonding skirting boards, pedestals, thresholds, panels, ceramic tiles
- Bonding decorative elements of wood, cork, chipboard, metal, stone, laminates, expanded polystyrene (EPS), marble
- Bonding plastics (except PE, PP and Teflon)
- Bonding mirrors

TECHNICAL PARAMETERS:

- Colour: white
- Correction time: 5 min
- Full strength after approx. 3 h
- Temperature resistance: -30°C to +90°C
- Low emission product

BENEFITS:

- Dries 8 x faster
- Can be loaded after 20 min
- Very high bonding strength: up to 400 kg/ 10 cm²
- Bonds all materials
- Can be used on damp substrates
- Water resistant
- For interior and exterior
- Ecological: does not contain solvents, silicones and isocyanates
- Neutral: does not corrode metals, does not damage delicate surfaces
- The joint can be painted

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Gallop Fix	100 ml	Tube on blister	12	1 080
	310 ml	Cartridge	12	1 440

Classic Fix

Transparent Mounting Adhesive

Colourless solvent-based adhesive recommended for different mounting and finishing jobs, particularly where a transparent and durable joint is required.



APPLICATIONS:

- Bonding different materials (one to another or in any combination), including: stone, brick, concrete, plaster, glass, wood, drywall, mineral and glass wool, plastics, metal, ceramics and others
- Recommended for bonding skirting boards, thresholds, panels, wooden or plastic boards, ceramic tiles, window sills, hard PVC, glass, metal and metal plates with any type of surface used in construction
- For interior and exterior use
- Not suitable for polystyrene

TECHNICAL PARAMETERS:

- Working time: 10–15 min
- Full cure: 48–72 h
- Application temperature: +10°C to +30°C
- Temperature resistance: -20°C to +60°C
- Colour: transparent

BENEFITS:

- Transparent joint
- High bonding strength
- Excellent adhesive properties

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Classic Fix	100 ml	Tube on blister	12	1 080
	310 ml	Cartridge	12	1 440

Hydro Fix

Transparent Mounting Adhesive

Universal, solvent-free mounting adhesive for bonding various materials to absorbent substrates. Uncured adhesive is white, forms a transparent joint after cure. It is a great choice for gluing items requiring precision when the joint is fully or partially visible. Product is dedicated for interiors.



APPLICATIONS:

- Excellent adhesion to most common construction and finishing materials such as polystyrene, ceramic tiles, wood, metal and plastic components, panels and foam, mineral wool
- Bonding plaster and polyurethane coffers, rosettes and cornices
- Thermal and acoustic insulation (including polystyrene)
- Thresholds and window sills
- Decorative and finishing PVC, polystyrene and various wood derivatives
- Slats, panels and plastic and wood boarding
- Suitable for interior applications

TECHNICAL PARAMETERS:

- Working time: 20–30 min
- Full cure: 72 h
- Application temperature: +10°C to +30°C
- Temperature resistance: -20°C to +60°C
- Colour: transparent

BENEFITS:

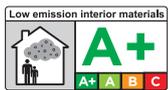
- Transparent joint (after cure)
- Environmentally friendly
- Non-flammable formula
- Forms a strong and durable bond

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Hydro Fix	100 ml	Tube	12	2 016
	310 ml	Cartridge	12	1 440

Fast Fix

Mounting Adhesive High-Tack

Acrylic based mounting adhesive – with immediate initial tack (200 kg/m²). It is designed for bonding a variety of decorative and finishing materials to absorbent substrates. It is characterized by a very high adhesive strength. The joint can be painted once cured.



APPLICATIONS:

- Fast mounting of decorative elements to absorbent, vertical substrates (eg coffers)
- Bonding skirting boards, profiles, plinths, wall panels, window sills, thresholds
- Bonding common building materials such as: wood, rigid PVC, glass, metal, polystyrene, stone, ceramic tiles, boards and foams, mineral wool
- Note: at least one of the bonded surfaces must be absorbent

TECHNICAL PARAMETERS:

- Colour: white
- Working time: 5–10 min
- Application temperature: +10°C to +30°C
- Temperature resistance: -20°C to +60°C
- Full cure: 48 h
- Low emission product

BENEFITS:

- Fast initial tack: 200 kg/m²
- Very high adhesive strength: 200 kg/100 cm²
- Solvent-free and odorless
- Non-flammable
- Joint can be painted
- Moisture resistant

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Fast Fix	100 ml	Tube on blister	12	1 080
	210 ml	Tube	20	2 016
	310 ml	Cartridge	12	1 440

Heavy Duty

Mounting Adhesive

Solvent based adhesive with high initial grip. Can be used at temperature below 0°C. Especially recommended for bonding heavy elements during finishing and renovation works.



APPLICATIONS:

- Bonding skirting boards, plinths, thresholds, panels, ceramic tiles
- Bonding most common building materials such as brick, ceramics, wood, PVC, glass, metal
- Especially recommended for bonding heavy building elements on vertical surfaces without support

TECHNICAL PARAMETERS:

- Working time: 5–7 min
- Application temperature: -20°C to +30°C
- Full cure: up to 72 h
- Temperature resistance: -40°C to +100°C

BENEFITS:

- Strong initial tack: 150 kg/m²
- High bonding strength: 400 kg/10 cm²
- Can be used at negative temperatures (from -20°C)
- Resistant to moisture and changing weather conditions
- Can be used indoors and outdoors
- Excellent adhesion to most materials (both absorbent and non-absorbent)

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Heavy Duty	100 ml	Tube on blister	12	1 080
	310 ml	Cartridge	12	1 440

Multi Use

Mounting Adhesive

Universal, contact adhesive recommended for mounting and finishing works. It bonds almost all surfaces (absorbent and non-absorbent) in any combination. It can be used indoors and outdoors.



APPLICATIONS:

- Bonding skirting boards, socles, thresholds, wall panels and ceramic tiles
- Bonding decorative elements made of wood, gypsum, cork, chipboard, metal, stone, polystyrene, PVC and glass
- Bonding absorbent and non-absorbent materials (one to another or in any combination)
- For interior and exterior use

TECHNICAL PARAMETERS:

- Working time: 10–15 min
- Application temperature: +10°C to +30°C
- Full cure: up to 72 h
- Temperature resistance: -20°C to +60°C

BENEFITS:

- Excellent adhesion to most substrates
- High bonding strength 220 kg / 10 cm²
- resistant to moisture and changing weather conditions
- Waterproof

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Multi Use	100 ml	Tube on blister	12	1 080
	310 ml	Cartridge	12	1 440



Butapren

Universal Contact Adhesive

Contact adhesive for use in the footwear industry, furniture, automotive and construction.



APPLICATIONS:

- Bonding leather (natural and artificial) and rubber
- Bonding fabrics and felt
- Bonding cork

TECHNICAL PARAMETERS:

- Curing time: approx. 15–60 min
- Full cure: 72 h
- Working temperature: +18°C to +25°C
- Temperature resistance: -30°C to +50°C

BENEFITS:

- Forms an elastic and durable joint
- Fast setting
- High adhesive strength
- Contact adhesive

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Butapren	40 ml	Tube	30	6 990
	0,2 l	Can	12	1 920
	0,8 l	Can	6	720
	5 l	Bucket	–	120
	10 l	Bucket	–	48
	20 l	Bucket	–	36



EV I

Chemical Anchor – Polyester Styrene Free



A high performance, fast curing, two-component chemical anchoring system. Applied in a single action, this resin will produce a cost effective, strong, chemically resistant fixing.

APPLICATIONS:

- Anchoring in:
 - Hollow wall
 - Brickwork
 - Masonry and non-cracked concrete
 - Weak substrates where expandable dowels cannot be used

BENEFITS:

- Highly universal fixing resin
- Medium duty load applications
- Non-flammable and non-hazardous
- Ideal for interior and exterior use
- European ETA certificate

Product name	Content	Packaging	Pieces per box	Pieces per pallet
EV I Chemical Anchor Polyester Styrene Free	165 ml	Cartridge	5	1470
	165 m	Cartridge	12	1380
	300 ml	Cartridge	5	1050
	300 ml	Cartridge	12	1260
	380 ml	Cartridge	6	750
	380 ml	Cartridge	12	1152



MDF KIT

2K Fast Adhesive



An adhesive set which consists of high viscosity cyanoacrylate adhesive and activator.

APPLICATIONS:

- For the bonding of a very wide range of materials, including acidic surfaces and some porous ones, where rapid bonding times are required
- For MDF, wood, chip wood, rubber, most plastics, leather and other common substrates
- Especially suitable for the applications where cure speed needs to be accelerated

BENEFITS:

- High bonding strength
- Does not drip or slump – suitable for use on vertical surfaces
- Prevents the adhesive to be absorbed by the surface

TECHNICAL PARAMETERS:

- Basis of adhesive: Ethyl Cyanoacrylate
- Basis of activator: Hexane
- Appearance of adhesive: liquid gel
- Appearance of activator: aerosol
- Colour: colourless
- Application temperature: +5°C to +35°C
- Temperature resistance: -20°C to +70°C

Product name	Volume/Weight	Pieces per box
MDF KIT	100 gr GW glue + 400 ml Activator Spray	25
	50 gr GW glue + 200 ml Activator Spray	12
	25 gr GW glue + 100 ml Activator Spray	25

Wood & Parquet Filler



Acrylic sealant designed especially for filling joints and gaps between wooden elements such as panels, parquet flooring, skirting boards, stairs, window sills, etc. Once cured, it can be sanded and painted.

APPLICATIONS:

- Filling joints around wooden frames, skirting boards, windowsills
- Sealing parquet and wood laminate
- Sealing joints between stair treads and risers
- Filling gaps between flooring and wall

TECHNICAL PARAMETERS:

- Colour: oak, pine, mahogany, beech, walnut, cherry, wenge, ash, spruce, light grey oak, dark grey oak
- Curing rate: 2,0 mm/ 24 h (+23°C, 50% RH)
- Shore A: 42 ± 2
- Thermal resistance: -20°C to +80°C

BENEFITS:

- Natural s of wood
- Fills cracks up to 15 mm
- Can be easily sanded and painted
- Highly flexible after curing
- Odorless and chemically neutral
- Multiple layers can be applied after curing

COLOUR CHART



Product name	Content	Packaging	Pieces per box	Pieces per pallet
Wood & Parquet Filler	310 ml	Cartridge	12	1 440

Wood Adhesive D2

One-component, quick-bonding adhesive, creating a white and waterproof joint (D2 water resistance class in accordance with the PN-EN 204 standard).



APPLICATIONS:

- Furniture assembly
- Bonding different of european wood types
- Bonding plywood, chipboard and other wooden materials
- Contact bonding of soft wood and chipboard
- Cold lamination of chipboard with wood-like veneer

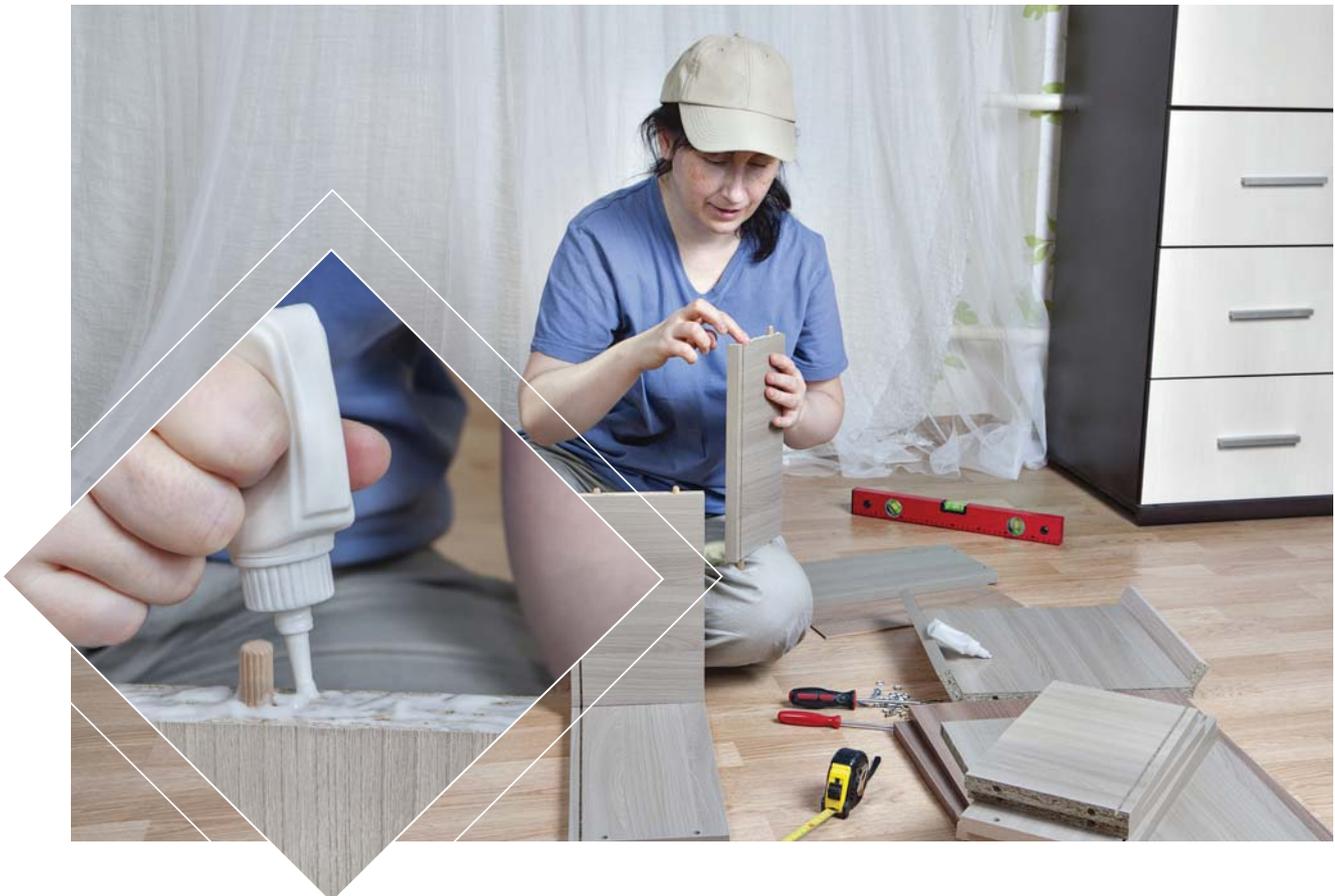
TECHNICAL PARAMETERS:

- Working time: approx. 10 min
- Clamping time: 15–20 min at +20°C
- Full cure: 24 h

BENEFITS:

- High yield (0,15–0,2 kg/m²)
- D2 water resistance class (PN EN 204)
- Wide range of applications
- Optimal viscosity
- Once cured, it creates a durable and flexible joint
- Physiologically and ecologically neutral once fully cured
- Easy-to-use

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Wood Adhesive D2	200 g	Bottle	12	1 368
	500 g	Bottle	12	840
	750 g	Bottle	6	528
	5 kg	Bucket	–	120
	20 kg	Bucket	–	27



Wood Adhesive D3

One-component adhesive characterised by an increased resistance of joint to moisture. Designed for both cold and hot applications. Once cured, it creates a colourless, durable joint, with D3 water resistance class in accordance with the PN-EN 204 standard.



APPLICATIONS:

- Bonding all european wood types
- Bonding plywood, chipboard and other wooden materials
- Contact bonding
- Bonding of bathroom and kitchen furniture

TECHNICAL PARAMETERS:

- Working time: approx. 10 min
- Clamping time: 15–20 min at +20°C or 2–3 min at +30°C
- Full cure: 24 h

BENEFITS:

- High yield (0,15–0,2 kg/m²)
- D3 water resistance class (PN EN 204)
- Wide range of applications
- Once cured, creates a durable, flexible and colourless joint
- Optimal viscosity
- Physiologically and ecologically neutral once fully cured
- Easy-to-use

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Wood Adhesive D3	200 g	Bottle	12	1 368
	500 g	Bottle	12	840
	750 g	Bottle	6	528
	5 kg	Bucket	–	120
	20 kg	Bucket	–	27

Fast Setting Polyurethane Adhesive D4

One-component polyurethane adhesive which cures when exposed to the moisture contained in the air or in the bonded materials. Once cured, it creates a durable, flexible joint resistant to a wide range of temperatures, with D4 water resistance class (in accordance with the PN-EN 204 standard).



APPLICATIONS:

- Bonding all wood types (including exotic wood)
- Bonding windows and doors, bonding stairs
- Bonding wooden garden furniture
- Bonding boat and yacht construction elements
- Bonding of sheet metal, polystyrene and insulation materials

TECHNICAL PARAMETERS:

- Working time: 5–20 min
- Clamping time: 1–2 h
- Thermal resistance: -40°C to +80°C

BENEFITS:

- High yield (0,12–0,25 kg/m²)
- D4 water resistance class (PN EN 204)
- Quick bonding
- Wide range of applications
- Creates a durable and flexible joint
- Physiologically and ecologically neutral once fully cured
- Easy-to-use

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Fast Setting Polyurethane Adhesive D4	800 g	Bottle	6	300
	5 kg	Bucket	–	50

4F Fire Retardant Wood Preserver

Multifunctional agent used for protecting wood against fire, insects and wood decay fungi.



APPLICATIONS:

- Protects wood and wood-based materials such as roof trusses, formwork, ceilings and walls against fire or fungi
- Thinning: 1:2,3
- Consumption: 200 g/m²

BENEFITS:

- Reduces flammability of wood (class B, according to EN-13501)
- Deep-penetrating
- Protects against fire, fungi and insects
- Non-corrosive to metals

TECHNICAL PARAMETERS:

- Consistency: crystal powder (salt)
- Ingredients: sodium borate, boric acid, ammonium sulphate, ammonium phosphate and others
- Colour: transparent, red (pigment provided in separate bag)
- Dissolved product: pH 5–6
- Aggression to steel: weak
- Consumption of salt: 200 g/m² (biological and fire-retardant protection)
- By number of layers: at least 8,50 g/m² consumption of salt (only biological protection)

NOTE: The number of layers depends on type of wood, humidity, temperature and can differ.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
4F Fire Retardant Wood Preserver	1 kg	Plastic pail	6	432
	5 kg	Plastic pail	–	108
	20 kg	Plastic pail	–	24

5S Wood Preserver

Professional and permanent wood protection against insects and decay fungi. Multi-functional impregnation agent for both interior and exterior use.



APPLICATIONS:

- Protection for the wood exposed to the weather (logs, shingles, fences)
- Protection for wood used in closed areas (roof truss, wood structures, frames)
- The colourless version may be used as a primer for varnishes, waxes or colouring stains
- Thinning: 1:9
- Consumption: 30–40 g/m²

BENEFITS:

- Contains modern biocides, effective even if applied in small volumes
- Penetrates fast and deep into the wood
- Bonds permanently with the wood
- Non-corrosive to steel

TECHNICAL PARAMETERS:

- Composition: propiconazole, amine oxygen, fenoxycarb, modification compounds, solvents, water
- Colour: transparent, green
- Odour: low odour, little soapy
- Form: liquid
- PH: 6,5
- Resistance to rain: after 24 h
- No. of layers: 2–3 (if brush is used)
- Norms and quality: complies with EN 335-1: durability of wood and wood-based products

Product name	Content	Packaging	Pieces per box	Pieces per pallet
5S Wood Preserver	1 l	Plastic bottle	6	480
	25 l	Canister	4	108





ART of the Colour Spray Paint



Quick-drying alkyd and acrylic paint for repair, decoration and utility purposes. It provides a low-wear coating, resistant to scratches, environmental and mechanical damage. UV-resistant pigments contained in paint, ensure a rich colour that will retain its lustre in the course of time.

APPLICATIONS:

- Quick-drying decorative finishing for wood, metal, aluminium, glass, stone surfaces as well as various types of plastic surfaces
- For interior and exterior

TECHNICAL PARAMETERS:

- Gloss: high gloss, satin matt and matt
- Coverage: 1,25 to 2,25 m²
- Full hardened/ re-sprayable: depends on kind of paint: max 24 h

BENEFITS:

- Glossy or matte finish
- Many optional colors or customized color (match RAL color palette)
- UV-resistant
- The coating prevents rust formation
- Excellent coverage property
- Resistant to petrol, chemicals and weather influences



Product name	Content	Packaging	Pieces per box	Pieces per pallet
ART of the Colour Spray Paint	400 ml	Aerosol Can	12	600
	400 ml	Aerosol Can	6	522

Graffiti Remover Agent for Removing Paint in Spray



Product for quick removal of graffiti from various surfaces (both smooth and porous). Thanks to the use of nanotechnology it can remove particularly deep dirt, without destroying the cleaned surface.

TECHNICAL PARAMETERS:

- Colour: transparent
- Application temperature: +5°C to +40°C
- Reaction time: 1–3 min

BENEFITS:

- Suitable for most surfaces, including: concrete, wood, ceramics, glass, plastic, marble, epoxy, metal, steel substrates,
- Does not damage the surface
- Ready-to-use – no special tools required
- Fast response time

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Graffiti Remover	200 ml	Bottle	6	2 400

Cover Foil



Cover Foil is great protection against paint, dirt, dust and moisture during painting works, reparation works and also during transport.

APPLICATIONS:

- Protection of floors, furniture, windows, etc from dirt during repair works

Product name	Size	Thickness	Material	Gross weight /pcs	Pieces per box
Cover Foil Standard	4 m x 5 m	5 µm	HDPE	90 g	60
Cover Foil Thick	4 m x 5 m	7 µm	HDPE	120 g	40
	4 m x 12,5 m	7 µm	HDPE	315 g	30
Cover Foil Extra Thick	4 m x 5 m	28 µm	LDPE	520 g	15

Cover Foil with Tape



Excellent protection of the surface against dirt during painting and repair works.

APPLICATIONS:

- For covering and masking large surfaces (e.g. furniture, walls)
- Providing accurate painting lines and protection from dust, paint contamination etc.

BENEFITS:

- Perfect adhesion to most surfaces
- Does not move during work

Product name	Size	Material	Gross weight /pcs	Pieces per box
Cover Foil with Tape	140 cm x 33 m	HDPE	360 g	20
	270 cm x 20 m	HDPE	400 g	20
	55 cm x 33 m	HDPE	160 g	48

Premium Masking Tape



A single-sided adhesive masking tape with excellent adhesion and good durability. It can be applied with all types of paints.

APPLICATIONS:

- Protection of the paint contamination
- Providing accurate painting lines

BENEFITS:

- No adhesive residue
- Easy to use
- Easy to remove
- For indoor use

TECHNICAL PARAMETERS:

- Elongation at break: 10%
- Paper thickness: 75 µm
- Total thickness: 95 µm
- Temperature resistance: +60°C
- Type of adhesive: Hot-melt
- Time of adhesion: 72 h
- Colour: white

Product name	Size	Packaging	Pieces per box	Pieces per pallet
Premium Masking Tape	25 mm x 50 m	Roll	36	4 320
	30 mm x 50 m	Roll	40	3 600
	38 mm x 50 m	Roll	24	2 880
	48 mm x 50 m	Roll	24	2 160



Masking Tape



Single-sided adhesive tape with a crepe paper backing commonly used for covering edges or surfaces during painting, varnishing, sealing or other construction and finishing works.

APPLICATIONS:

- Protection from paint
- Masking edges and surfaces

BENEFITS:

- Easy-to-use
- Easy-to-remove
- No adhesive residue also does not leave adhesive residue

TECHNICAL PARAMETERS:

- Elongation at break: 10%
- Paper thickness: 75 µm
- Total thickness: 95 µm
- Temperature resistance: +60°C
- Type of adhesive: Hot-melt
- Colour: yellow

Product name	Size	Packaging	Pieces per box	Pieces per pallet
Masking Tape	25 mm x 25 m	Roll	90	5 184
	30 mm x 25 m	Roll	60	4 320
	38 mm x 25 m	Roll	42	3 024
	48 mm x 25 m	Roll	36	2 592
	25 mm x 40 m	Roll	36	4 320
	30 mm x 40 m	Roll	40	3 600
	38 mm x 40 m	Roll	24	2 880
	48 mm x 40 m	Roll	24	2 160

Masking Tape 14 Days



Easy-to-use, one-sided adhesive masking tape. Provides good adhesive strength and high precision of edges painting. This tape is durable, easy to remove after using with no glue residue after removal and can be applied with all kinds of paint. Perfect for use indoors and outdoors. It is UV resistant up to 14 days.

APPLICATIONS:

- Protection of the paint contamination
- Providing accurate painting lines outside and inside the building

BENEFITS:

- No adhesive residue
- Easy-to-use
- Easy-to-remove
- Don't adhere
- No leaks
- For indoor and outdoor use
- Resistant to uv, rain and other atmospheric factors
- Ideal for: painted walls and moldings, lacquered wooden surfaces, glass, plastic, metal and many others

TECHNICAL PARAMETERS:

- Elongation at break: 10%
- Paper thickness: 80 µm
- Total thickness: 110 µm
- Temperature resistance: +60°C
- Type of adhesive: acrylic
- Time of adhesion: 336 h
- Colour: blue

Product name	Size	Packaging	Pieces per box	Pieces per pallet
Masking Tape 14 Days	25 mm x 25 m	Roll	40	3 600
	38 mm x 25 m	Roll	24	2 880
	48 mm x 25 m	Roll	24	2 160
	25 mm x 50 m	Roll	36	4 320
	30 mm x 50 m	Roll	40	3 600
	38 mm x 50 m	Roll	24	2 880
	48 mm x 50 m	Roll	24	2 160

Duct Tape



A single-sided textile adhesive tape with an increased durability and a wide range of applications. Characterised by high resistance to weather conditions, ageing, moisture and temperature. Has excellent adhesion to surfaces.

APPLICATIONS:

- Bonding and fixing all items
- Joining insulation materials
- Performing all types of quick repairs

BENEFITS:

- For quick repairs
- Durable, strong bond
- Easy-to-use

Product name	Size	Packaging	Pieces per box	Pieces per pallet
Duct Tape	48 mm x 10 m	Roll	24	2 160
	48 mm x 25 m	Roll	24	2 160
	48 mm x 50 m	Roll	24	1 440

Carpet Tape



A double-sided adhesive tape. Characterised by high resistance to ageing, moisture and temperature. Has excellent adhesion to surfaces.

APPLICATIONS:

- Bonding and fixing all items
- Temporary or permanent bonding
- Bonding the edges of carpets or carpets flooring

TECHNICAL PARAMETERS:

- Elongation at break: 30%
- Paper thickness: 70 µm
- Total thickness: 180 µm
- Temperature resistance: +60°C

BENEFITS:

- For quick repairs
- Strong bond
- Easy-to-use

Product name	Size	Packaging	Pieces per box	Pieces per pallet
Carpet Tape	48 mm x 5 m	Roll	96	3 072
	48 mm x 10 m	Roll	72	2 880
	48 mm x 25 m	Roll	36	1 728

Window & Door Seals D-profile, E-profile, P-profile



The self-adhesive seal made of ethylene-propylene cellular rubber EPDM with closed cells and skin on the outer surface.

APPLICATIONS:

- Used for sealing window- and door frames
- D-profile recommended for joints width of 3–7 mm
- E-profile recommended for joints width of 2–3,5 mm
- P-profile recommended for joints width of 3–5 mm

TECHNICAL PARAMETERS:

- Base: EPDM (ethylene-propylene rubber)
- Base colour: white, brown, black
- Adhesive: resin type glue base on synthetic rubber, fiber glass carrier
- Elongation at break: 150 (+)110 (-)70 N/cm
- Temperature resistance: -40°C to +65°C

BENEFITS:

- Protects from cold, noise and dust
- Excellent barrier for out-coming heat
- Excellent UV, oxygen, ozone and water resistance

Product name	Size	Packaging	Pieces per box	Pieces per pallet
Window & Door Seals	6 m (2 x 3 m)	Box	24	1 536
	24 m (2 x 12)	Box	14	588
	100 m/ 150 m	Bobbin	6	504
	100 m/ 150 m	Bobbin	8	480

Aluminum Tape

A single-sided adhesive tape based on aluminum, for various technical applications in household and automotive industry.

APPLICATIONS:

- Sealing joints between insulation materials in ventilation, air-conditioning and heating ducts
- Repairs and regenerations of aluminum decorative elements

BENEFITS:

- Good adhesive and strong bond
- Waterproof
- Resistant to weather conditions
- High thermal resistance [-30°C to +120°C]

TECHNICAL PARAMETERS:

- Elongation at break: 3%
- thickness: 30 µm
- Total thickness: 60 µm
- Temperature resistance: -30°C to +80°C
- Colour: silver



Product name	Size	Packaging	Pieces per box	Pieces per pallet
Aluminum Tape	48 mm x 50 m	Roll	24	1 440

PP Aluminum Tape

A single-sided adhesive tape based on metallized polypropylene film and aluminum, for various technical applications in household and automotive industry.

APPLICATIONS:

- Sealing joints between insulation materials in ventilation, air-conditioning and heating ducts
- Repairs and regenerations of aluminum decorative elements

BENEFITS:

- Good adhesive and strong bond
- Waterproof
- Fireproof
- Resistant to weather conditions
- High thermal resistance [-30°C to +120°C]

TECHNICAL PARAMETERS:

- Elongation at break: 3%
- thickness: 30 µm
- Total thickness: 50 µm
- Temperature resistance: -30° to +120°C
- Colour: silver



Product name	Size	Packaging	Pieces per box	Pieces per pallet
PP Aluminum Tape	50 mm x 50 m	Roll	96	1 440

Universal

Silicone

Permanently flexible, easy-to-use, acid curing silicone. It is perfectly suited for both interior and exterior use. It creates a durable and waterproof joint that protects gaps against penetration of moisture and air.



APPLICATIONS:

- Pointing joints between ceramic tiles and corner connections
- Sealing connection and expansion joints
- Sealing in household and do-it-yourself projects
- For interior and exterior use

TECHNICAL PARAMETERS:

- Colours: white, transparent
- System of curing: acetate
- Curing rate: 4–5 mm/ 24 h (+23°C, 50% RH)

BENEFITS:

- Excellent adhesion to many building materials
- Resistant to UV radiation and changing weather conditions
- Durable colour once cured

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Universal Silicone	60 ml	Tube	12	2 016
	310 ml	Cartridge	12	1 440
	600 ml	Foil	12	1 152

UPG Express

Sanitary Silicone

High-quality silicone, recommended for application in high humidity areas, such as kitchens, bathrooms or toilets. It contains an innovative UPG formula which ensures fungi and mould resistance of the seal for many years. The product was examined for its resistance against development of microorganisms and for its fungal growth inhibitory properties. The results confirmed the highest effectiveness and the longlasting protective action of the UPG formula. It is characterized by good adhesion to most sanitary surfaces, e.g. tiles, ceramics, glass, acrylic shower cabins and bathtubs, wood. Thanks to its innovative formula the joint is water-resistant after just 2 hours.



APPLICATIONS:

- Joints in high humidity areas such as kitchens, bathrooms or toilets
- Joints between ceramic tiles in wall corners and between wall and floor
- Sealing around bathtubs, washbasins and shower trays

TECHNICAL PARAMETERS:

- Composition: propiconazole, amine oxygen, fenoxycarb, modification compounds, solvents, water
- Colour: transparent, green
- Odour: low odour, little soapy
- Form: liquid
- PH: 6,5
- Resistance to rain: after 24 h
- No. of layers: 2–3 (if brush is used)
- Norms and quality: complies with EN 335-1: durability of wood and wood-based products

BENEFITS:

- 10 year warranty for the anti-mould properties of the joint
- Becomes water resistant after just 2 h from application
- Fast curing rate
- Waterproof

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Sanitary Silicone UPG Express	60 ml	Tube	12	2 016
	310 ml	Cartridge	12	1 440

Marble & Stone Silicone

Flexible and durable sealant designed for stone work. Due to its neutral curing formula and the lack of any solvents, the product does not discolour natural stone and is safe for sensitive substrates, such as copper or mirror silver. Resistant to changing weather conditions, UV radiation and high temperature differences.



APPLICATIONS:

- Pointing joints and filling expansion joints in marble, granite or stone floors
- Sealing sinks with stone tops
- Pointing joints around mirrors
- Bonding mirrors to the wall

TECHNICAL PARAMETERS:

- Colour: transparent
- System of curing: neutral

BENEFITS:

- Does not discolour natural stone
- Excellent adhesion
- UV and weather resistant
- Fast curing

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Marble & Stone Silicone	310 ml	Cartridge	12	1440

Aquarium & Glazing Silicone

Silicone recommended for bonding and sealing aquariums, terrariums and other glass constructions. It creates a fast curing joint, resistant to aging, UV radiation and temperature changes. It has an excellent adhesion to common non-porous substrates, such as glass, ceramics or aluminium.



APPLICATIONS:

- Bonding and sealing of aquariums and terrariums
- Glazing of table tops, shop windows or greenhouses
- Sealing of glass joints, skylights, glass blocks, advertising signs and light boxes
- Bonding small glass elements with aluminium

TECHNICAL PARAMETERS:

- Colour: transparent, black
- System of curing: acetate
- Curing rate: 3,0 mm/ 24 h (+23°C, 50% RH)
- Thermal resistance: -50°C to +180°C

BENEFITS:

- Extremely strong adhesion
- Safe to animals and plants
- Resistant to high tensions
- High mechanical resistance
- Waterproof
- Does not contain organic solvents

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Aquarium & Glazing Silicone	310 ml	Cartridge	12	1440

High Temperature Silicone

Flexible, fast curing silicone, resistant to long exposure to low and high temperatures ranging from -65°C to +265°C (temporarily up to +315°C). It creates a permanent, non-shrink joint resistant to UV radiation. It is gas and waterproof.


APPLICATIONS:

- Formed in place gaskets for automotive, industrial and marine engines: oil pans, water pumps, valve covers, timing gear covers, thermostat housing
- Sealing smoke and ventilation ducts, chimney elements
- Sealing elements exposed to high and low temperature, e.g. in refrigeration technology

TECHNICAL PARAMETERS:

- Colour: red, black
- System of curing: acetate
- Curing rate: 2,0–3,0 mm/ 24 h (+23°C, 50% RH)
- Thermal resistance: -65°C to +265°C
- Temporary resistance to temperatures: up to +315°C

BENEFITS:

- Oil and grease resistant
- Fast curing
- Excellent adhesion to glass, ceramics, wood, aluminium and metal
- Creates a flexible, non-shrink joint

Product name	Content	Packaging	Pieces per box	Pieces per pallet
High Temperature Silicone	20 ml	Tube	20	4 600
	80 ml	Small cartridge	10	1 800
	310 ml	Cartridge	12	1 440

Fireplace Sealant

A specialised sealant based on water glass, recommended for sealing gaps, cracks and crevices in chimneys, stoves and fireplace grates. It contains glass fibre, which makes it gas-tight and prevents it from shrinking or expanding.


APPLICATIONS:

- Sealing gaps, cracks and crevices in ceramic chimney ducts
- Sealing chimneys, stoves and fireplace grates
- Installation of stoves and grills
- Repair of construction and technical elements exposed to fire
- Not recommended for applications which require flexible connections (e.g. central heating, gas installations)

TECHNICAL PARAMETERS:

- Colour: white
- Curing rate: 2–3 mm/ 24 h (+23°C, 50% RH)
- Working time: 5–10 min
- Thermal resistance: -50°C to +1500°C
- Working temperature: +5°C to +40°C

BENEFITS:

- Resistant to temperatures up to +1500°C
- Very good adhesion to metal, brick and cement
- Retains its properties despite temperature changes
- Will not crack or crumble
- Contains no asbestos and emits no noxious substances
- Resistant to UV radiation and changing weather conditions

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Fireplace Sealant	310 ml	Cartridge	12	1 140

FG-1

Fungicidal Agent



A chlorine-free effective solution for removing fungus and mildew from buildings.

APPLICATIONS:

- Recommended for high humidity areas (swimming pools, bathrooms, laundry rooms and kitchens)
- Can be used on walls, plaster and wood, as well as on paints, adhesives and emulsion coatings

TECHNICAL PARAMETERS:

- Consistency: liquid
- Colour: transparent

BENEFITS:

- Fights and prevents development of mould and fungus
- Effective even on painted walls
- Can be use inside and outside

Silicone Remover

A paste used for effective removal of cured silicone from construction substrates such as glass, ceramic tiles, brick, concrete, wood, and metals.



APPLICATIONS:

- Removal of old silicone
- Surface preparation for the new joint

TECHNICAL PARAMETERS:

- Colours: white
- The consistency: thick paste
- Open time: from 30 min (fabrics) to 24 h (some building materials)

BENEFITS:

- Effective in action
- Removes even hardened silicones
- Does not cause corrosion
- Ecological
- Does not drain from vertical surfaces
- Easy-to-use
- Improves the adhesion of the new sealant

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Silicone Remover	80 ml	Mini cartridge	6	1 050

TL-40

Multi-Purpose Grease

TL-40 is a multi-purpose synthetic grease containing PTFE providing resistance to dirt or saltwater.



APPLICATIONS:

- Lubrication and protection: rotating, sliding or creaking elements: sliding door locks, hinges, zips, workshop and garden tools
- Lubrication and maintenance: bicycles, chains, firearms, fishing reels, winches, cables and monitoring equipment
- Loosening of connections: hinges, screws and screws
- Removing impurities and rust
- Prevents corrosion and protects: from moisture, displaces fresh and salty water

TECHNICAL PARAMETERS:

- : transparent
- Temperature range
 - Continuous: -43°C to +176°C
 - Intermittent: -43°C to +260°C

BENEFITS:

- Works under extreme conditions, at temperatures -43°C to +260°C
- Contains PTFE component, so that dust and dirt do not stick to the surface
- Does not conduct electricity
 - it is a dielectric
- Has 4 x more durability
- It is ideal for cleaning and lubricating bicycle chains
- Water & saltwater waterproof
- Prevents rust and corrosion while reducing friction
- Reduces friction and wear
- Long machinery life
- Reduces Maintenance

Product name	Content	Packaging	Pieces per box	Pieces per pallet
TL-40 Multi-Purpose Grease	150 ml	Can	24	2 904
	200 ml	Can	12	2 304
	400 ml	Can	12	840



STD

Summer & Winter Straw Polyurethane Foam with ERGO Applicator



High quality straw polyurethane foam with excellent filling and sealing properties. The innovative ERGO applicator creates a new standard of work: it enables you to apply foam with just one hand, using very little force, and gives you full control over foam flow, like a professional gun applicator. It can be bent and closed with a special pin so – unlike traditional straw foams – a foam equipped with ERGO applicator can be used many times within 60 days from the first application.

APPLICATIONS:

- Filling and sealing of cracks, crevices, pipes and ducts
- Sealing in frame constructions
- Window and door installation
- Insulation of wall panels, corrugated metal sheets, roof tiles, etc.

BENEFITS:

- Ergonomic and precise straw applicator
- Foam reusability up to 60 days
- Controls foam flow – like a gun
- One hand application
- High and stable foam pressure until the can is empty
- High thermal and acoustic insulation – 62 dB
- Resistant to mould and fungus
- Does not emit MDI during application*

TECHNICAL PARAMETERS:

SUMMER FOAM:

- Yield: up to 45 l
- Cutting time: ≤ 40 min
- Application temperature: 0°C to +30°C
- Can temperature: +10°C to +30°C
- Shelf life: 18 months

WINTER FOAM:

- Yield: up to 45 l
- Cutting time: ≤ 40 min
- Application temperature: -10°C to +30°C
- Can temperature: +5°C to +30°C
- Shelf life: 12 months

* The lack of MDI emission was certified by SP Proving Forskning Swedish Institute.
 ** Product classified by The Building Information Foundation RTS as M1 building material class. Once cured, it does not emit any hazardous substances.
 All communicated parameters were measured in compliance with Selena's internal standards and depend heavily on external curing conditions, equipment quality and adherence to application instructions.
 The parameters were measured in standard laboratory conditions +23°C and 50% RH.

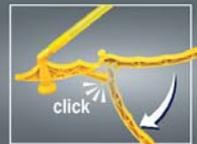
Product name	Content	Packaging	Pieces per box	Pieces per pallet
STD Summer & Winter Straw Polyurethane Foam with ERGO Applicator	750 ml	Can	12	624
	500 ml	Can	12	780



Innovation!



Shake the can several times before use



Bend the applicator lever and lock it on the pin



Screw the straw applicator onto the can



Apply foam at any position where the can temp. exceed +15°C



Reusability up to 60 days - bend the straw twice

NEW APPLICATOR
ergonomic • precise



Lexy 60/40/20 All Season Straw Polyurethane Foam



Innovative straw polyurethane foam, providing very high yield. Available in a wide range of sizes, it can be applied in any position of the can. All season formulation enables application -10°C to +30°C.

APPLICATIONS:

- Mounting of doors and windows
- Sealing of hard-to-reach places
- Thermal and acoustic insulation

BENEFITS:

- Very high yield – up to 60 l
- Easy application at any position of the can (360°)
- All season formula
- Short curing time
- Low pressure formulation (prevents bowing of door and window frames)
- Does not emit MDI during application**
- M1 emission class for building material***

TECHNICAL PARAMETERS:

- Yield:
 - up to 60 l – Lexy 60
 - up to 40 l – Lexy 40
 - up to 20 l – Lexy 20
- Application temperature: -10°C to +30°C
- Shelf life: 12 months

** The lack of MDI emission was certified by SP Proving Forskning Swedish Institute.
 *** Product classified by The Building Information Foundation RTS as M1 building material class. Once cured, it does not emit any hazardous substances.
 All communicated parameters were measured in compliance with Selena's internal standards and depend heavily on external curing conditions, equipment quality and adherence to application instructions. The parameters were measured in standard laboratory conditions +23°C and 50% RH.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Lexy 60/40/20 All Season Straw Polyurethane Foam	750 ml	Can	12	624
	500 ml	Can	12	780
	300 ml	Can	12	936

Multi Protection Low MDI Straw Polyurethane Foam



Straw polyurethane foam designed for a wide range of sealing and filling applications. A special formula offers increased health protection based on three unique features: low MDI content, no MDI emission during application and after cure. The foam can be applied in any position of the can, also in hard-to-reach places.

APPLICATIONS:

- Mounting of doors and windows
- Filling and sealing cracks, gaps and pipe ducts
- Sealing of frame structures

BENEFITS:

- Monomeric MDI content below 1%
- Multiposition (at temp. > 15°C)
- High thermal insulation
- Compact structure
- Resistant to moulds and fungi growth
- Low pressure formulation (prevents bowing of door and window frames)
- Does not emit MDI during application**
- M1 emission class for building material***

TECHNICAL PARAMETERS:

- Yield: up to 26 l
- Cutting time: ≤ 80 min
- Application temperature: +15°C to +30°C
- Can temperature: +15°C to +30°C
- B2 Fire rating class (DIN 4102-1)
- Shelf life: 12 months

** The lack of MDI emission was certified by SP Proving Forskning Swedish Institute.
 *** Product classified by The Building Information Foundation RTS as M1 building material class. Once cured, it does not emit any hazardous substances.
 All communicated parameters were measured in compliance with Selena's internal standards and depend heavily on external curing conditions, equipment quality and adherence to application instructions. The parameters were measured in standard laboratory conditions +23°C and 50% RH.

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Multi Protection Low MDI Straw Polyurethane Foam	500 ml	Can	12	980



FIRESTOP

- Only in 2016, over 120 thousand fires broke out in Poland, 58% of which in detached and multi-family houses which, as a rule, lack the passive fire protection.
- Tytan Professional Fire Stop enables to stop the spread of fire for up to 4 hours in the location of the outbreak, allowing time for evacuation and for the fire brigade intervention.
- All the products in the system hold the ETA (European Technical Approval) certificate which confirms their compliance with the most stringent requirements.

We spend the majority of our time inside buildings – starting from flats and houses and ending with workplaces and public buildings. Unfortunately, we seldom think about fire protection of these places. We are rarely disturbed by the thought that insufficient fire protection may result in some unfortunate events.

In case of a fire, the most striking phenomenon is the speed with which it spreads. The main reason for this is a large number of highly combustible elements which the fire encounters on its way. If a building is not specially designed to have the passive fire protection, it is usually consumed by fire to a large extent, even before the first crew of firefighters arrives.

Therefore, it is absolutely essential for the safety of buildings, but first and foremost, for the safety of the people within the building, to implement the solutions of passive fire protection.

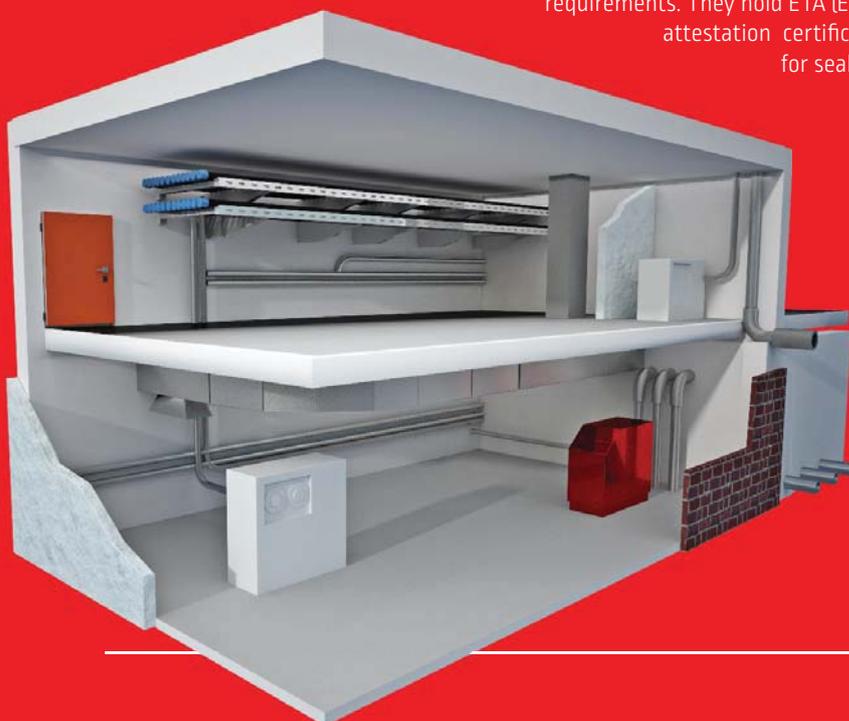
Thanks to the implementation of an appropriate passive fire protection system we can stop the spread of fire and contain it to the place of its outbreak for long enough to allow for an effective evacuation of a building, and by doing so facilitate the action of the crews of firefighters and minimize material damage.

This is the role of the passive fire protection system – to stop the destructive power of fire and contain it to the place where it broke out. Apart from that, the proper sealing of pipe and cable passages prevents smoke and toxic fumes from penetrating into other rooms which is also vital in the case of evacuation.

Tytan Professional Fire Stop System – the system of passive fire protection – is one of the most comprehensive solutions of this kind available on the market. The offer contains a wide array of products which meet the demands of modern construction. The line of Fire Stop products is made from top quality components and meets the most stringent quality requirements. They hold ETA (European Technical Approval) attestation certificate. These products are designed for sealing pipe and cable penetrations

and ventilation ducts. Most of them comply with the EI240 standard which means that when the sealing is properly made, it can prevent fire from spreading to other rooms for as long as 240 min. It is crucial in rooms exposed to the high risk of fire, such as boiler rooms, basements or garages.

Tytan Professional Fire Stop – the passive fire protection system, is a kind of insurance for a building, but first of all, it protects the lives of people in it. The installation of the system is relatively low-cost in the scale of the whole building, but in case of fire, when every minute counts, the system can save people's lives and minimize the losses.





FIRESTOP

- 282 B1 PU Gun/ Straw Foam
- 282 B12K PU Foam
- 283 B1 Fire Acrylic
- 283 B1 Fire Graphite
- 284 B1 Fire Sealant
- 284 B1 Fire Wrap
- 285 B1 Fire Mortar Gypsum
- 285 B1 Fire Board
- 285 B1 Fire Collar
- 286 Fire Block 113
- 286 Fire Block Extreme



B1 PU Gun/ Straw Foam



Technologically advanced gun polyurethane foam, classified as slow combustable and fire-retardant. B1 PU GUN Foam seals against smoke, is self-extinguishing and does not create dripping fireballs when on fire. Product does not emit MDI during application and possess M1 emission class for building materials – once cured, the product does not emit any hazardous substances.

APPLICATIONS:

- Filling linear gaps
- Filling gaps around penetrations

BENEFITS:

- Fire resistant class EI 240 EN 13501-2:2008, B1 DIN4102
- ETA – European Technical Assessment
- M1 emission class
- O₂ 0% MDI emission
- Self-extinguishing
- Excellent adhesion to most building materials

TECHNICAL PARAMETERS:

- High yield: up to 42 l
- Cutting time: 40 min
- Low post expansion: up to 120%

Product name	Content	Packaging	Pieces per box	Pieces per pallet
B1 PU Gun/ Straw Foam	750 ml	Can	12	720

B12K PU Foam



B12K PU Foam is intended to be used to temporarily or permanently reinstate the fire resistance performance of flexible wall constructions, rigid wall constructions and rigid floor constructions where they have been provided with apertures which are penetrated by various cables, conduits/ tubes, pipes and installation supports (perforated or non-perforated steel cable trays and steel ladders).

APPLICATIONS:

- Cable connectors and routes

BENEFITS:

- Fire resistant class EI 120
- Adjusts to any shape
- Fast curing – residues can be cut off after 2 min
- European Technical Assessment

TECHNICAL PARAMETERS:

- Yield: up to 2,1 l
- Colour: red-brown
- Reaction to fire: class E
- Shelf life: 12 months

Product name	Content	Packaging	Pieces per box	Pieces per pallet
B12K PU Foam	380 ml	Cartridge	6	720

B1 Fire Acrylic



High specification formulation designed to prevent the spread of fire, smoke and gases through openings in fire rated walls and floors, specifically linear movement joints and openings for building service penetrations. B1 Fire Acryl expands when it is subjected to fire and closes openings around penetrations when any combustible or low temperature melting materials have burnt away.

APPLICATIONS:

- Dilatations up to 100 mm width
- Cable connectors
- Copper, steel, plastic and composite pipes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment for dilatations and installations
- High sound insulation
- Movement up to 12,5%

TECHNICAL PARAMETERS:

- Reaction to fire: class D-s1, d1
- Flexibility: 12,5%
- Skin formation time: 25 min
- Colour: white, grey, red
- Shelf life: 18 months

Product name	Content	Packaging	Pieces per box	Pieces per pallet	Colours
B1 Fire Acrylic	310 ml	Cartridge	12	1 920	White, grey, red
	600 ml	Foil	12	1 092	White, grey, red

B1 Fire Graphite



High specification formulation designed to prevent the spread of fire, smoke and gases through openings in fire rated walls and floors. B1 Graphite expands when it is subjected to fire and closes openings around penetrations when any combustible or low temperature melting materials have burnt away.

APPLICATIONS:

- Cable connectors
- Plastic pipes with diameter up to 110 mm

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment
- Expands when exposed to fire

TECHNICAL PARAMETERS:

- System of curing: neutral
- Curing rate: 2,0 mm/ 24 h
- [+23°C, 50% RH]

Product name	Content	Packaging	Pieces per box	Pieces per pallet
B1 Fire Graphite	310 ml	Cartridge	12	960

B1 Fire Sealant



High performance, professional quality, one part ready to use sealant and adhesive. Based on an innovative new Inert Polymer Technology it is suitable for a wide variety of building trade applications including decorating, flooring, joinery, plumbing and tiling and out-performs conventional silicone, MSP, butyl and acrylic based products as a sealant and adhesive – the only sealant free from dangerous emissions.

APPLICATIONS:

- Dilatations up to 100 mm width
- Cable connectors
- Copper, steel, plastic and composite pipes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment for dilatations and instalations
- One solution for all internal building applications

TECHNICAL PARAMETERS:

- Reaction to fire: class D-s2, d0
- Shore A hardness: 47
- Skin formation time: 30 min
- Classification CE: 25 HM

Product name	Content	Packaging	Pieces per box	Pieces per pallet
B1 Fire Sealant	300 ml	Cartridge	12	960
	600 ml	Foil	12	540

B1 Fire Wrap



B1 Fire Wrap is designed to maintain the fire resistance of fire separating walls and floors when these are breached by continuous plastic pipes or metal pipes with combustible insulation and may be used in gypsum, masonry or concrete walls and concrete floors. Each pipe wrap consists of a graphite based reactive intumescent strip which reacts to heat and closes the opening left by the softening plastic pipe or pipe insulation in fire.

APPLICATIONS:

- Steel pipes in rubber insulation
- Copper, steel, plastic and composite pipes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assesment
- Supplied in many different sizes

TECHNICAL PARAMETERS:

- Foam yield: up to 2,1 l
- Colour: red-brown
- Reaction to fire: class E
- Shelf life: 12 months

Product name	Content	Pieces per box	Pieces per pallet
B1 Fire Wrap	55 mm	25	500
	82 mm	25	500
	110 mm	25	500
	125 mm	12	200
	160 mm	12	120
	200 mm	–	10
	250 mm	–	10
	50 mm x 25 m	–	10
	75 mm x 25 m	–	10

B1 Fire Mortar Gypsum



B1 Fire Mortar Gypsum is a dry white powder consisting of inorganic compounds and perlite. When mixed with water the compounds form a highly thermally insulating fire seal to prevent the spread of fire and smoke through openings in fire rated walls and floors, including openings formed to accommodate building service penetrations.

APPLICATIONS:

- Copper, steel, plastic and composite pipes
- Cable connectors and routes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment
- Fully set within 1 h
- High mechanical resistance

TECHNICAL PARAMETERS:

- Dry density: 900 kg/m³ when fully cured
- Sound insulation: 64 dB
- Hardened: < 1 h
- Totally hardened: up to 30 days

Product name	Content	Packaging	Pieces per pallet
B1 Fire Mortar Gypsum	20 l	Bag	63

B1 Fire Board

Fire Board has been designed to maintain the fire resistance of separating walls and floors where they are breached by single or multiple building services. The board consists of a rigid stone wool core, sealed with special coating on one or both sides. The coating provides an important barrier to the passage of fire, smoke and hot gases through the thickness of the board.



APPLICATIONS:

- Cable connectors
- Copper, steel, plastic and composite pipes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment
- Easy and quick installation
- High sound insulation

TECHNICAL PARAMETERS:

- Density: 160-180 kg/m³
- Flexibility: low to medium; 12,5%
- Sound insulation: over 55 dB

Product name	Content	Pieces per pallet
B1 Fire Board	50 mm 1-sided smooth	80
	50 mm 2-sided smooth	80
	60 mm 1-sided smooth	72
	60 mm 2-sided smooth	72
	50 mm 1-sided ribbed	80
	50 mm 1-sided ribbed	80
	60 mm 1-sided ribbed	72
	60 mm 1-sided ribbed	72

B1 Fire Collar

B1 Fire Collar is designed to maintain the fire resistance of fire rated walls and floors where these are breached by continuous plastic pipes, and may be used in gypsum, masonry and concrete walls and floors. The steel shell contains a graphite based reactive material which reacts when exposed to heat closing the openings left by the softening plastic pipe in fire.



APPLICATIONS:

- Sealing plastic pipes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment
- Supplied in many different sizes

Product name	Content	Pieces per box	Pieces per pallet
B1 Fire Collar	55 mm	24	240
	82 mm	24	240
	110 mm	24	240
	125 mm	24	200
	160 mm	12	120
	200 mm	–	10
	250 mm	–	10
	315 mm	–	10

Fire Block 113



Fire Block 113 PRO is a Type V residential fire block designed for the most extreme high heat and low humidity regions. It offers industry-leading expansion to fill and seal gaps in the most extreme conditions. Fire Block 113 can be applied in conditions up to 113°F ambient and can temperature without shrinking and melting in the gap. Fire Block 113 will work the first time and not require a second application like other fire block foams. Fire Block 113 meets or exceeds all fire block and draft stop standards. It is not an approved fire stop sealant. Fire Block 113 is safe to be used around windows and doors and offers minimal shrinking. It is orange in color for easy recognition and inspection.

APPLICATIONS:

- Applications include electrical outlets, wire passages, ductwork, and any air passages from one building area to another
- Excellent to seal concealed penetrations between the floors or rooms in residential construction (type V or "combustible") to block the passage of flame and smoke. It offers premium adhesion to most construction materials including: wood, metal, masonry, glass, and most plastics

TECHNICAL PARAMETERS:

- Cutting time: 40 min
- Fully cured: 24 h
- Application temperature: 59°F to 113°F
- Shelf life: 12 months

BENEFITS:

- High adhesion to surface
- Low adhesive open time
- High adhesive yield

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Fire Block 113	24 oz	Can	12	720

Fire Block Extreme



Fire Block Extreme PRO is a fire blocking foam sealant designed to work in the most extreme conditions, from -4°F to 100°F ambient temperatures. Though Fire Block Extreme is ideal for all high and low humidity applications, but Fire Block 113 is the recommended in desert climates. Though it is not approved as a fire stop, Fire Block Extreme is a certified draft stopping and fire blocking product. It is orange in color for easy inspection recognition. Fire Block Extreme uses a minimal shrinking technology to ensure an airtight seal, while providing industry-leading yield and is safe to be used around windows and doors. It offers minimal post-expansion for small gap filling while also being capable of filling gaps up to three inches. It offers premium adhesion to most construction materials including: wood, metal, masonry, glass, vinyl, and some plastics.

APPLICATIONS:

- Sealing for window fitting
- Sealing for door fitting
- Filling free spaces, cracks, gaps, pipe penetrations
- Sealing roof, wall and floor joints
- Thermal insulation
- Acoustic insulation

TECHNICAL PARAMETERS:

- Cutting time: 40 min
- Fully cured: 24 h
- Application temperature: -4°F to 100°F
- Shelf life: 12 months

BENEFITS:

- High foam yield
- Foam pressure
- Foam volume increase (postexpansion)
- Low foam flammability

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Fire Block Extreme	24 oz	Can	12	720

The letters EI on the passive fire protection products signify the level of their integrity i.e. fire tightness, the thermal insulation capacity of a partition. The highest possible level which can be granted to the partition is EI 240 which means that the partition can prevent fire from penetrating to the other side of it for as long as 240 minutes.

Graphite, which is used in fire resistant flanges and bands, when exposed to fire, expands to 16 times its original size, and by doing so, it closes the opening which is left after plastic pipes have melted.





INDUSTRY

In our plants in Poland and Spain for many years we've manufactured adhesives dedicated to industrial applications. A wide range of polyurethane adhesives is used in the production of small parts, such as small air or oil filters, and in an industry that requires particular attention to safety – mining. Wood adhesives are used in the mass production of doors and decorative elements, and modern hot melt products are chosen by manufacturers expecting fast and secure bonding, e.g. of paper packaging. Selena's products are used in several manufacturing industries, such as:

Woodworking

- Adhesives for dowel inserting machines
- Lamination of cell boards and multilayer boards with HPL and veneers
- Lamination of particle board with PVC foil and impregnated paper
- Adhesives for the production of frames for upholstered furniture and chairs
- Adhesives for varnished surfaces
- High tack and mounting adhesives
- Postforming adhesives
- Hot melt adhesives:
 - wide edges
 - straight edges
 - precoated edges
 - mounting adhesives
 - profile wrapping

Upholstery

- Solvent and dispersion contact adhesives for bonding of foams and textiles used in upholstery industry
- Shoe making adhesives

Window & Door Manufacturing

- Polysulfide
- PU Hot melt adhesives
- Aluminum frames
- Molecular sieve
- PU for glazing
- Windshield sealants
- Water-resistant adhesives, e.g. for window manufacturing [D3, D4 adhesives according to EN 204]

Assembly

- Production of insulation materials, including sandwich panels
- Lamination of flexible foam, sponges, mattresses
- Hot melt sticks for various bonding applications
- Hot melt adhesives for bonding of aluminum profiles with fiberglass mesh
- Other industrial applications of polyurethane adhesives

Packaging

- Dispersion adhesives for folding of cardboard boxes
- Hot melt adhesives for closing of cardboard boxes
- Labeling adhesives
- Bookbinding adhesives
- Adhesives for bags
- Coating of cardboards with high quality paper
- Pressure sensitive hot melt adhesives
- Adhesives for sanitary products



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