

Heat Activated Repair Compound for Hot Surfaces



Belzona 1251 (HA-Metal) is a single component system for the repair and protection of metal surfaces whilst in service.

This heat-activated material can be applied directly onto hot surfaces (70-150°C / 158-302°F) with minimal surface preparation avoiding production downtime. Once cured, this solvent-free repair composite provides outstanding corrosion protection.

Designed to repair and protect metal surfaces suffering from Corrosion under Insulation (CUI), Belzona 1251 (HA-Metal) can be easily applied by spatula, applicator or brush.

TECHNICAL DATA	Volume capacity	401 cm ³ (24.5 in ³) / 1 kg		
	Dry heat resistance	210°C (410°F)		
	Shelf Life	2 years		
	Working life	Unlimited - Cure will not commence until product is heated		
	Adhesion (Tensile Shear)	Clean ground steel: 17.1 MPa (2475 psi) at 100°C (212°F) cure	Rusty steel (prepared to ISO 8501-1 St 2): 8.3 MPa (1,200 psi) at 100°C (212°F) cure	
	Compressive Strength	120.0 MPa (17,400 psi) at 70°C (158°F) cure		
	Heat distortion temperature	105°C (221°F) at 70°C (158°F) cure	117°C (243°F) at 100°C (212°F) cure	
	Corrosion resistance	No visible signs of corrosion after 5,000 hours of exposure in ASTM B117 Salt Spray Cabinet		

CURE TIMES	Temperature	70°C (158°F)	85°C (185°F)	100°C (212°F)	115°C (239°F)
	Light loading	75 min	25 min	15 min	15 min
	Full mechanical or thermal loading	5 hours	2 hours	60 min	60 min
	Optimum heat resistance	7 days	5 days	3 days	1 day

*Please consult the Product Specification Sheet (PSS) and Instructions for Use (IFU) for the latest technical data.



EXCELLENT
ADHESION



HEAT
ACTIVATED



RAPID CURE



EXCELLENT
CORROSION
PROTECTION



EASY TO APPLY

Key Benefits:

- **Heat-activated**

The material has an unlimited working life. The cure will not commence until the product is heated.

- **Rapid cure**

Its fast curing properties allow the equipment to be re-insulated with minimal delay.

- **Simple to use**

The material can be applied in-situ to live equipment operating at high temperature with minimal surface preparation. Belzona 1251 is a single pack system with no weighing or mixing are required.



Oil and hot water pipeline repair

Application Areas:

- Infill of corrosion pits
- Repair of thin wall defects
- Bonding of doubler plates
- Local repairs
- Leak sealing of pipework
- Load bearing shims
- Weld defect repairs



Plate bonding



Pit filling

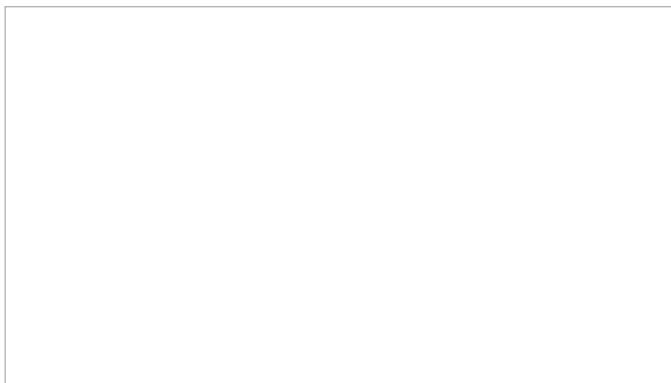


Repair to welds



Leak sealing of pipework

For more information, please contact your local Belzona representative:



QUALITY PRODUCTS - TECHNICAL SUPPORT

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

Belzona has a global distribution network of over 140 Distributors operating in 120 countries. Local support is provided by a trained Technical Consultant who will diagnose the problem, recommend the solution and provide 24-hour, on-site application supervision and advice.