

# Erosion-Corrosion Resistant Coating for Immersed Conditions



Belzona 1331 is a two-component coating system for erosion and corrosion protection of equipment operating under continuous immersion, up to 50°C (122°F).

This next-generation coating offers excellent erosion resistance whilst benefitting from being spray-friendly. Having a 24-hours overcoating window, the two-coat system allows for large applications to be quickly completed, reducing downtime.

Available in grey and white, Belzona 1331 is easily mixed and applied at ambient temperatures.



TECHNICAL DATA	Mixing ratio (base:solidifier)	2 : 1 by volume	2.2 : 1 by weight
	Working life	40 minutes at 25°C (77°F)	
	Shelf life	3 years	
	Heat resistance	120°C (248°F) dry	50°C (122°F) wet
	Adhesion (tensile shear )	Mild steel: 26.9 MPa (3,900 psi)	
	Compressive strength (yield)	39.8 MPa (5,775 psi) at 20°C (68°F) cure	
	Coverage rate	1.75 m <sup>2</sup> (18.8 ft <sup>2</sup> ) 1kg at 500 microns (20 mils)	
	Heat distortion temperature	45°C (113°F) at 20°C (68°F) cure	67°C (153°F) at 100°C (212°F) cure
	Abrasion resistance	H10 - 46 mm <sup>3</sup> wet	CS17 - 13 mm <sup>3</sup> dry

CURE TIMES	Temperature	10°C (50°F)	15°C (59°F)	20°C (68°F)	25°C (77°F)
	No loading or immersion	24 hours	12 hours	8 hours	7 hours
	Machining and/or light loading	48 hours	24 hours	16 hours	14 hours
	Full mechanical or thermal loading	14 days	7 days	3 days	2½ days
	Immersion in chemicals	21 days	10 days	7 days	6 days

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



**EROSION  
RESISTANT**



**CORROSION  
RESISTANT**



**CHEMICAL  
RESISTANT**



**SPRAY FRIENDLY**



**SOLVENT FREE**

## Key Benefits:

- **Erosion-corrosion resistance**

Belzona 1331 offers outstanding erosion and corrosion resistance under immersed conditions.

- **Spray-friendly coating**

This solvent-free coating can be rapidly applied by airless spray, without wear to spray equipment.

- **High-build application**

Capable of high-build spray application (> 1250 microns) in a single coat without sagging.



## Application Areas:

- **Immersed equipment**

This erosion-corrosion resistant coating protects process vessels, separators and pumps operating under immersion.

- **Heat exchangers**

Belzona 1331 is suitable to protect heat exchangers and condensers from erosion and corrosion damage.

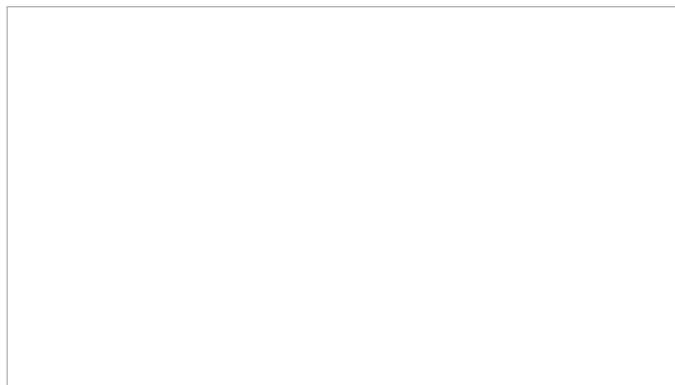
- **Pipe lining**

Belzona 1331 can be used as a pipe lining for protection of girth welds on internal field joints.

- **Chutes and hoppers**

This coating can be used to repair worn and damaged chutes and hoppers from the effects of erosion and corrosion.

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.