# 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.



	Mixing ratio (base:solidifier)	2 : 1 by volume		2.2 : 1 by weight	
TECHNICAL DATA	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 mm³ wet		CS17 - 13 mm³ dry	
JRE 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

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



Immersion in chemicals

EROSION RESISTANT



CORROSION RESISTANT



10 days

21 days

CHEMICAL RESISTANT



7 days



6 days

SPRAY FRIENDLY

SOLVENT FREE

## <mark>1000 Series</mark> BELZONA 1331



## 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.