

High Performance Chemical Resistant Coating



4311



Belzona 4311 (Magma CR1) is a hand and sprayed applied, two-component barrier coating for the protection of surfaces against chemical attack.

This solvent-free coating isolates concrete and metal surfaces from aggressive chemicals, such as sulphuric acid.

In addition, Belzona 4311 demonstrates excellent adhesion to a variety of rigid substrates, including concrete, stone, brick, stainless steel, mild steel, carbon steel and copper.

Available in two colours (red and grey) the outstanding chemical resistance of Belzona 4311 offers long term protection to primary and secondary containment areas.

TECHNICAL DATA	Mixing ratio (base:solidifier)	3:1 by volume	6:1 by weight
	Working life	20 minutes at 20°C (68°F)	
	Shelf life	5 years	
	Heat resistance	217°C (423°F) dry	60°C (140°F) wet
	Adhesion (tensile shear)	Steel: 20.6 MPa (2990 psi)	
	Compressive strength	59.1 MPa (8,570 psi)	
	Heat distortion temperature	48°C (118°F) at 20°C (68°F) cure	78°C (172°F) at 100°C (212°F) cure
	Coverage rate	4m ² (43ft ²) / 1L at 250 microns (10 mils)	

CURE TIMES	Temperature	15°C (59°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
	Light pedestrian traffic	8 hours	6 hours	4 hours	3 hours
	Vehicular traffic	1 day	18 hours	12 hours	10 hours
	Full chemical resistance	14 days	7 days	3 days	2 days

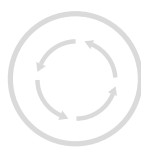
*Please consult the Product Specification Sheet (PSS) and Instructions for Use (IFU) for the latest technical data.



**CHEMICAL
RESISTANT**



**EXCELLENT
ADHESION**



VERSATILE



SPRAYABLE



**SOLVENT
FREE**

Key Benefits:

- **Safe and simple**

This solvent-free coating is easy to mix and apply without the need for hot work or specialist tools.

- **Excellent chemical resistance**

Belzona 4311 demonstrates excellent resistance against a wide range of chemicals.

- **High compressive strength**

Belzona 4311 can withstand the high compression and loading of vehicular and pedestrian traffic.



Easy brush application protects various geometries from chemical attack



High compressive strength is ideal for chemical loading or filling areas

Application Areas:

- **Secondary containment areas**

Belzona 4311 protects secondary containment areas as well as chemical transfer and holding areas.

- **Concrete plinths and casings**

This coating can be brush-applied on to concrete pump bases, plinths and casings to protect against chemical spills.

- **Non-slip walkways**

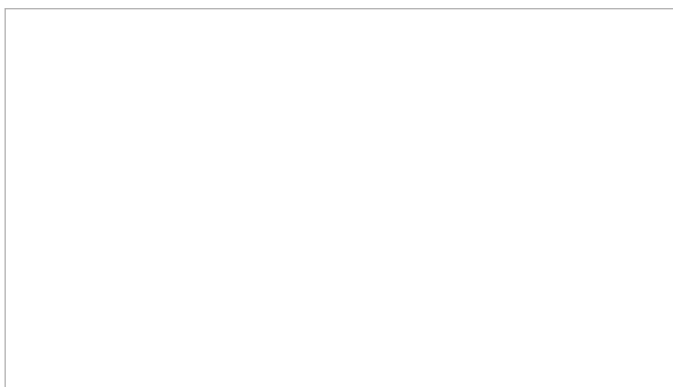
Belzona 4311 can be combined with aggregates to create non-slip walkways in secondary containment areas.

- **Pump components**

This chemical-resistant material can be used to coat pump impellers and volutes, preventing chemical attack.



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.