

# Chemical Resistant Coating for Protection Against Hot Inorganic Acids



Belzona 4341 (Magma CR4) is a two-component barrier coating for protecting surfaces subject to chemical attack. It is optimised for resistance to inorganic acids, such as sulphuric and hydrochloric acid, up to 90°C (194°F).

This high performance coating isolates concrete and metal surfaces from deteriorating chemical environments. This includes storage tanks, chemical containment areas, as well as equipment operating under immersion.

As a solvent-free coating, Belzona 4341 reduces the health and safety risks associated with applications in confined spaces. It is easy to mix and apply without the need of specialist tools and cures at room temperature.

TECHNICAL DATA	Mixing ratio (base:solidifier)	6.26:1 by volume		8.82:1 by weight	
	Working life	15 minutes at 20°C (68°F)			
	Shelf life	5 years			
	Heat resistance	190°C (374°F) dry		90°C (194°F) wet	
	Adhesion (tensile shear)	Steel: 10.3 MPa (1500 psi) at 20°C (68°F) cure		Steel: 11.0 MPa (1600 psi) at 100°C (212°F) post cure	
	Coverage rate	2.48m <sup>2</sup> (26.7ft <sup>2</sup> ) / 1.5kg at 400 microns (16 mils)			
	Compressive strength	50.3 MPa (7300 psi)			
	Volume capacity	994cm <sup>3</sup> (60.7in <sup>3</sup> ) / 1.5kg			
	Heat distortion temperature	61°C (142°F) at 20°C (68°F)	80°C (176°F) at 50°C (122°F)	85°C (185°F) at 100°C (212°F)	96°C (205°F) at 150°C (302°F)

CURE TIMES	Temperature	15°C (59°F)	20°C (68°F)	30°C (86°F)
	Light pedestrian traffic	12 hours	8 hours	4 hours
	Full chemical resistance	7 days	5 days	3 days

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



**CHEMICAL RESISTANT**



**EXCELLENT ADHESION**



**EASY TO APPLY**



**SOLVENT FREE**

## Key Benefits:

- Excellent chemical resistance

This coating provides excellent, long-term chemical resistance, especially against inorganic acids.

- Combats hot inorganic acids

Belzona 4341 is able to withstand high temperature inorganic acids, up to 90°C (194°F).

- Excellent adhesion

Belzona 4341 is a solvent-free coating that can be applied to a range of substrates including concrete, brick and metal.

- Easy to apply

This coating is cold-applied, without the needs for hot work or specialist tools, as well as being easy to mix and

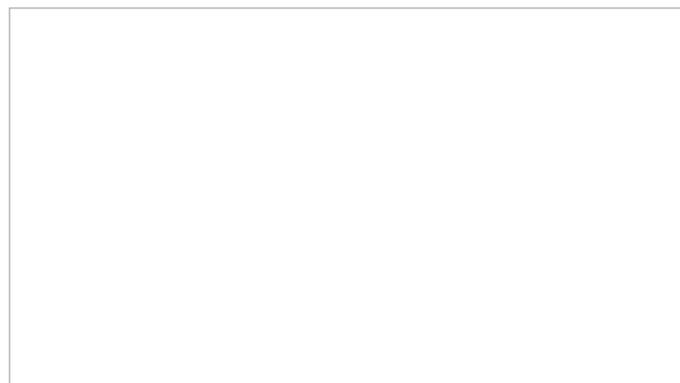


Belzona 4341 can be applied as a lining to protect tanks

## Application Areas:

- Acid retaining walls
- Chemical drains and channels
- Chemical transfer and holding areas
- Pump bases and plinths
- Storage tanks
- Secondary containment areas
- Tank pads
- Walkways

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.