

# Chemical Resistant Coating for Protection Against Hot Organic Acids



Belzona 4331 (Magma CR3) is a two-component barrier coating for protecting surfaces subject to chemical attack. Belzona 4331 has been formulated for optimum resistance to hot organic acids, up to 90°C (194°F).

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

As a solvent-free coating, Belzona 4331 reduces the health and safety risks associated with applications in confined spaces.

TECHNICAL DATA	Mixing ratio (base:solidifier)	7.16:1 by volume		10.75:1 by weight		
	Working life	20 minutes at 20°C (68°F)				
	Shelf life	3 years				
	Heat resistance	210°C (410°F) dry			90°C (194°F) wet	
	Adhesion (tensile shear)	Steel: 15.9 MPa (2300 psi)				
	Coverage rate	1.95m <sup>2</sup> (21.0ft <sup>2</sup> ) / 1.5kg at 500 microns (20 mils)				
	Volume capacity	975cm <sup>3</sup> (59.5in <sup>3</sup> ) / 1.5kg				
	Compressive strength	71.7 MPa (10,400 psi)				
	Heat distortion temperature	61°C (142°F) at 20°C (68°F)	86°C (187°F) at 50°C (122°F)	103°C (217°F) at 100°C (212°F)	124°C (225°F) at 150°C (302°F)	

CURE TIMES	Temperature	15°C (59°F)	20°C (68°F)	30°C (86°F)
	Pedestrian traffic	12 hours	8 hours	4 hours
	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 organic acids.
- **Combats hot organic acids**  
Belzona 4331 has been formulated for optimum resistance to hot organic acids up to 90°C (194°F).
- **Excellent adhesion**  
Belzona 4331 can be applied to a range of substrates including concrete, brick and metal.
- **Easy to apply**  
This coating is cold applied, without the need for hot work or specialist tools.



Further protection applied to a chemical reaction tower

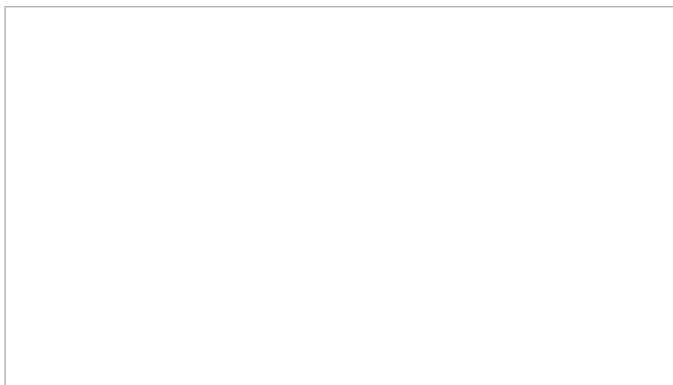
## Application Areas:

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



Belzona 4331 can be applied as a lining to protect tanks

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.