

# Coating for Protection of Surfaces Subject to Hot Aqueous and Hydrocarbon Immersion



Belzona 5892 is a cost-effective coating system for the corrosion protection of metallic surfaces operating in immersed conditions. It will protect against attack from aqueous solutions and hydrocarbons operating at temperatures up to 95°C (203°F).

Belzona 5892 can be hand- or spray-applied and post cures in service resulting in reduced production downtime.

It will outperform conventional VEGF coatings in terms of mechanical strength and adhesion together with reduced shrinkage and VOC emissions.



TECHNICAL DATA	Mixing ratio (Base : Solidifier)	3.5 : 1 by volume	5.74 : 1 by weight		
	Coverage rate	2.5 m <sup>2</sup> (27 ft <sup>2</sup> ) / litre at 400 microns (16 mils)			
	Shelf life	5 years			
	Working life	40 minutes at 20°C (68°F)			
	Heat resistance	Steam out resistance: 210°C (410°F)	Dry heat resistance: 230°C (446°F)		
	Adhesion (tensile shear)	Mild steel: 19.2 MPa (2,790 psi) at 20°C (68°F)	Mild steel: 21.2 MPa (3,070 psi) at 60°C (140°F) cure		
	Compressive strength	73.8 MPa (10,710 psi) at 20°C (68°F) cure			
	Heat distortion temperature	50°C (122°F) at 20°C (68°F) cure	95°C (203°F) at 60°C (140°F) cure	128°C (262°F) at 100°C (212°F) cure	
Adhesion (pull-off)	Mild steel: > 37.9 MPa (> 5,500 psi)				
CURE TIMES	Temperature	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
	Time until inspection	42 hours	18 hours	5 hours	4.5 hours
	Time until full service	Post-cure required	Post-cure required	24 hours	20 hours
	Time until dry post cure	42 hours	18 hours	5 hours	4.5 hours
	Time until wet post cure	15 days	6 days	12 hours	10 hours

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



**BRUSH OR SPRAY APPLIED**



**POST CURES IN SERVICE**



**SPARK TESTABLE**



**CORROSION RESISTANT**



**CHEMICAL RESISTANT**

## Key Benefits:

- Convenient application

Can be hand- or spray-applied and cures at ambient temperatures while post curing in service. Can be spark tested.

- Safe in-service performance

Suitable for continuous immersion in hot potable water, hydrocarbons and aqueous solutions. Resistant to rapid depressurisation and steam-out.

- Longevity

Can be patch repaired during planned shutdowns for continuous lasting protection.



Belzona 5892 used to line a desalter

## Application Areas:

- Boiler feed systems
- Coalescers
- Condensate tanks
- Condensers
- Diffusers
- Evaporators
- Filters
- Heat exchangers
- Knockout drums
- Separators
- Stock chests
- Storage tanks

## Before & After:



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.