

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 | 5.8 : 1 by weight | |
|----------------|----------------------------------|---|---|-------------------------------------|
| | Coverage rate | 2.5 m ² (27 ft ²) / 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.

- High 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.