

# Spray applied coating for high temperature immersion



# 1391S



Belzona 1391S is a two component high temperature coating system designed to operate under continuous immersion at operating temperatures up to 110°C (230°F).

This coating offers excellent erosion-corrosion protection at elevated temperatures and resists a broad range of aqueous solutions, hydrocarbons and process chemicals.

Belzona 1391S is a sprayable two coat system with a 24 hour overcoat window, allowing large applications to be completed effectively and quickly, dramatically reducing downtime.

TECHNICAL DATA	Mixing ratio (Base:Solidifier)	4 : 1 by volume	7.5 : 1 by weight
	Working life	45 minutes at 20°C (68°F)	
	Shelf life	3 years	
	Dry heat resistance	250°C (482°F)	
	Adhesion (tensile shear ) mild steel	17.92 MPa (2,600 psi) at 20°C (68°F) cure	13.79 MPa (2,000 psi) at 100°C (212°F) cure
	Compressive strength	77.22 MPa (11,200 psi) at 20°C (68°F) cure	
	Coverage rate	2 m <sup>2</sup> (21.5 ft <sup>2</sup> ) / litre at 20 mils (500 microns)	
	Heat distortion temperature	55°C (131°F) at 20°C (68°F) cure	152°C (306°F) at 100°C (212°F) cure
	Abrasion resistance	H10 - 940 mm <sup>3</sup> 20°C (68°F), wet	CS17 - 24 mm <sup>3</sup> 90°C (194°F), dry

CURE TIMES	Temperature	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
	Time until inspection	32 hours	10 hours	8 hours	4 hours
	Time until full service	96 hours	48 hours	20 hours	14 hours
	Time until dry post cure (if required)	32 hours	10 hours	8 hours	4 hours
	Time until wet post cure (if required)	60 hours	24 hours	14 hours	8 hours

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



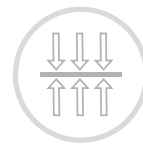
**HIGH TEMPERATURE RESISTANCE**



**EXCELLENT CHEMICAL AND CORROSION RESISTANCE**



**SOLVENT-FREE**



**HIGH COMPRESSIVE STRENGTH**



**SPRAY APPLIED**

## Key Benefits:

- **Excellent resistance to corrosion**  
This coating provides corrosion resistance to equipment operating under continuous immersion up to 110°C (230°F).
- **High chemical resistance**  
This solvent-free coating provides excellent resistance to a wide range of aqueous solutions, hydrocarbons and process chemicals.
- **Simple spray application**  
It is easy to mix and apply using heated airless spray equipment and it cures at room temperature reducing downtime.



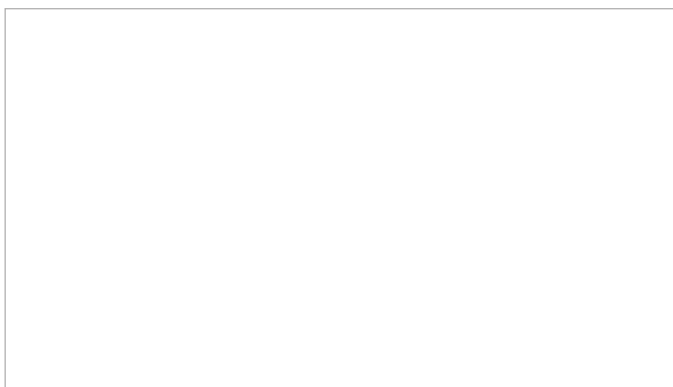
## Application Areas:

- Oil production separators
- Sea water filters
- MEA/MDEA systems
- Evaporators
- Autoclaves
- Scrubber units
- Flare knock-out vessels
- Condensate return tanks
- Distillation units
- Absorber towers



Belzona 1391S spray-applied

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.