

# Hand applied coating for high-temperature immersion



**BELZONA**<sup>®</sup>  
**1391T**



Belzona 1391T is two-part ceramic filled epoxy coating which provides erosion and corrosion resistance to equipment operating under immersion up to 130°C (266°F). It offers excellent resistance to a wide range of aqueous solutions, hydrocarbons and process chemicals.

Belzona 1391T is applied using simple hand tools to areas requiring maximum erosion resistance. It has a long overcoat window and can be rapidly force cured allowing applications to be effectively completed with minimal downtime, shortening application time and simplifying maintenance procedures.

TECHNICAL DATA	Mixing ratio (base:solidifier)	4 : 1 by volume	8.5 : 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	22.06 MPa (3,200 psi) at 20°C (68°F) cure	19.30 MPa (2,800 psi) at 100°C (212°F) cure
	Compressive strength	75.84 MPa (11,000 psi) at 20°C (68°F) cure	
	Volume capacity	535 cm <sup>3</sup> (32.6 in <sup>3</sup> ) / 1 kg	
	Heat distortion temperature	53°C (127°F) at 20°C (68°F) cure	
	Abrasion resistance	H10 - 320 mm <sup>3</sup> 20°C (68°F), wet	

CURE TIMES	Temperature	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
	Time until inspection	72 hours	24 hours	12 hours	5 hours
	Time until full service	Post cure required	28 days	10 days	24 hours
	Time until dry post cure (if required)	72 hours	24 hours	12 hours	5 hours
	Time until wet post cure (if required)	28 days	7 days	48 hours	12 hours

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



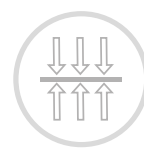
**HIGH TEMPERATURE  
RESISTANCE**



**EROSION RESISTANCE**



**SOLVENT-FREE**



**HIGH COMPRESSIVE  
STRENGTH**



**HAND APPLIED**

## Key Benefits:

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

- **Long overcoat window**  
It has a long overcoat window and can be rapidly force cured allowing applications to be effectively completed with minimal downtime.

- **Simple application**  
This solvent-free system is applied using simple hand tools to areas requiring maximum erosion resistance.



Heat exchanger protection



Pump lining

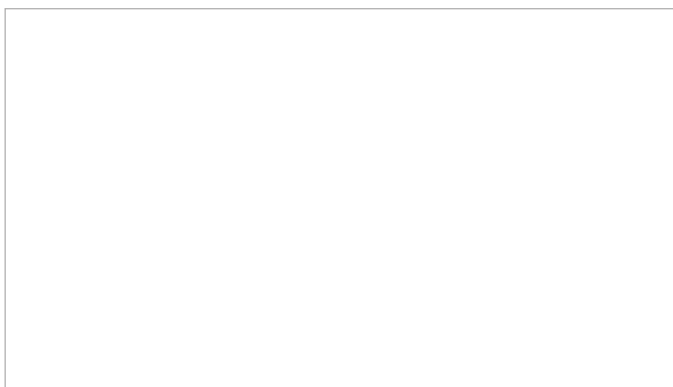
## Application Areas:

- Oil production separators
- Sea water filters
- Slug catchers
- Evaporators
- MEA/MDEA systems
- Scrubber units
- Heat exchangers
- Condensate return tanks
- Knock-out vessels
- Absorber towers



Belzona 1391T applied manually

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.