

Barrier Coating for Application onto Hot Surfaces



5851



Single-component Belzona 5851 is a barrier coating for the protection of metallic surfaces.

It has been specifically formulated for application to manually prepared surfaces on equipment which cannot be taken out of service.

This solvent-free material is designed for direct application onto equipment operating in elevated temperature service up to 150°C (302°F).

TECHNICAL DATA	Mixing ratio (Base : Solidifier)	Single component coating			
	Working life	Unlimited - cure will not commence until product is heated			
	Shelf life	2 years			
	Adhesion (Tensile shear)	19.3MPa (2800 psi) after cure at 100°C (212°F) onto clean, ground steel	19.3MPa (2800 psi) after cure at 100°C (212°F) onto grit-blasted steel	17.9MPa (2600 psi) after cure at 100°C (212°F) onto rusty steel (manually abraded)	11.7MPa (1700 psi) after cure at 100°C (212°F) onto rusty steel (wire brushed)
	Heat distortion temperature	127°C (260°F) after 7 days cure at 100°C (212°F)			
	Heat resistance	150°C (302°F)			

CURE TIMES	Temperature	80°C (176°F)	90°C (194°F)	120°C (248°F)	150°C (302°F)
	Touch dry/Light loading	16 hours	4 hours	30 mins	10 mins
	Full cure	5 days	3 days	1 day	16 hours

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



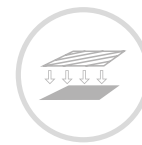
EASY TO APPLY



HIGH TEMP
CURE



CORROSION
RESISTANT



TOLERANT
TO SURFACE
PREPARATION

Key Benefits:

- **Lasting protection**

Continuous protection with excellent chemical, impact and abrasion resistance.

- **System for varied temperature service**

Can be applied overlapping with Belzona 5831 and Belzona 5841 to cover the range of service temperatures between 10°C/50°F and 150°C/302°F.

- **Easy to Apply**

Specialist tools are not required to apply Belzona 5841. It is also tolerant to surface preparation.



Belzona 5851 used for pipe corrosion protection

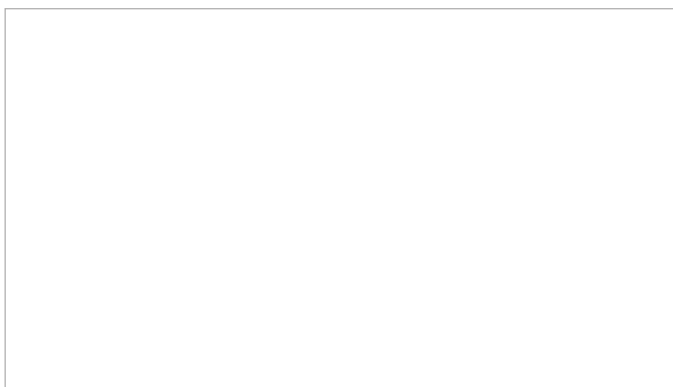
Application Areas:

- Absorbers
- Columns
- District heating
- Evaporators
- Flare drums
- Heat exchangers
- Hot wells
- Nozzles
- Pipework
- Scrubbers
- Strippers
- Vessels

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.