

# Moisture-Tolerant Barrier Coating for Application onto Hot Surfaces



# 5841



Two-component Belzona 5841 is a moisture-tolerant barrier coating for the protection of metallic and non-metallic surfaces.

It has been specifically formulated for application to manually prepared surfaces that cannot be dry for application. This material displaces contaminants from the surface ensuring maximum adhesion to damp, wet or oily surfaces and even underwater.

This solvent-free material is designed for application onto equipment operating in elevated temperature service (30-80°C / 86-176°F).

TECHNICAL DATA	Mixing ratio (Base : Solidifier)	4 : 1 by volume	8.5 : 1 by weight
	Working life	60 minutes at 20°C (68°F)	
	Shelf life	5 years	
	Adhesion (Tensile shear)	Grit blasted / ground steel: 24.1 MPa (3,500 psi)	
	Heat distortion temperature	95°C (203°F) after 7 days cure at 80°C (176°F)	51°C (123°F) after 7 days cure at 20°C (68°F)
	Adhesion (pull-off)	Grit blasted / ground steel: 12.4 MPa (1,800 psi)	Rusty steel prepared to ISO 8501-1 St 3: 9.65 MPa (1,400 psi)

CURE TIMES	Temperature	30°C (86°F)	50°C (122°F)	80°C (176°F)
	Touch dry/light loading	2½ hours	1 hour	20 mins
	Full cure	24 hours	16 hours	8 hours

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



**SURFACE TOLERANT**



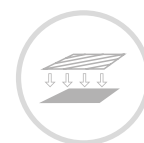
**CHEMICAL RESISTANT**



**HIGH TEMP CURE**



**CORROSION RESISTANT**



**BONDS TO MANY SUBSTRATES**

## Key Benefits:

- **Versatile material**

Can be brush-applied onto manually-prepared wet, damp and oil-contaminated surfaces.

- **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 5851 to cover the range of service temperatures between 10°C/50°F and 150°C/302°F.



Belzona 5841 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.