

# Protective Coating for Surfaces Operating Under Immersion



## 5811DW2



Belzona 5811DW2 (DW Immersion Grade) is a solvent-free system for the protection of metallic and non-metallic surfaces operating under immersion conditions in contact with aqueous solutions.

This coating can be both brush and spray applied, aiding rapid applications over large areas. It is suitable for use in contact with water intended for human consumption.

This material can be applied to virtually any surface including cast iron, stainless steel, brass, copper, concrete, wood, fibreglass and aluminium.



TECHNICAL DATA	Mixing ratio (Base:Solidifier)	2.5:1 by volume	4:1 by weight
	Working life	30 minutes at 20°C (68°F)	
	Shelf life	5 years	
	Heat resistance	120°C (248°F) dry	40°C (105°F) wet
	Adhesion (tensile shear)	Aluminium: 11.9 MPa (1,730 psi) ambient cure, 14.1 MPa (2,040 psi) post cure	
		Mild steel: 13.9 MPa (2,020 psi) ambient cure, 22.4 MPa (3,250 psi) post cure	
	Electrical properties	Tested with ASTM D149 method A with voltage rise of 2kV/s: Dielectric strength of 42.7 kV/mm	
	Compressive strength	14.2 MPa (2,060 psi) ambient cure	29.1 MPa (4,220 psi) post cure
	Atlas cell testing	No blistering observed after 6 month immersion at 40°C (104°F)	
Coverage rate	2.5 m <sup>2</sup> (27 ft <sup>2</sup> ) / litre at 400 microns (16 mils)		

CURE TIMES	Temperature	10°C (50°F)	20°C (68°F)	30°C (86°F)
	Light loading	48 hours	24 hours	12 hours
	Full mechanical/thermal loading or water immersion	14 days	7 days	4 days

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



WRAS APPROVED



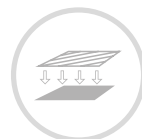
BRUSH OR  
SPRAY APPLIED



COLD AND  
DAMP CURE



CORROSION  
RESISTANT



BONDS TO MANY  
SUBSTRATES

# 5000 Series BELZONA 5811DW2

## Key Benefits:

- **WRAS approval**

Suitable for use in contact with water intended for human consumption with regard to their effect on the quality of the water

- **Versatile application**

Spray- or brush-applied onto metallic surfaces, concrete, brick and others. Cures in low-temperature and damp conditions.



Belzona 5811DW2 used for 40-year-old irrigation pump

## Application Areas:

- Bunds
- Clarifiers
- Concrete sumps
- Cooling tower basins
- Manholes
- Marine buoys
- Pipes
- Pumps
- Steel and concrete piling
- Tanks
- Tube sheets
- Water boxes



Injection bonding



Protecting repairs

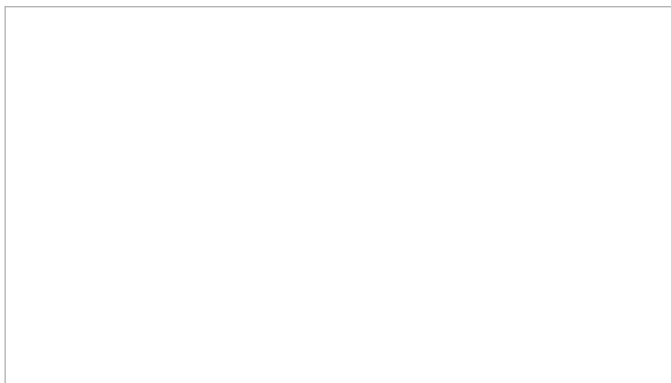


Protecting bunds



Lining tanks

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.