

Protective Coating and Repair System for Potable Water Contact



BELZONA
5812DW



Belzona 5812DW is an NSF/ANSI 61 certified coating for metallic and non-metallic surfaces in contact with aqueous solutions.

Outstanding chemical protection properties make it an ideal solution for municipal water departments. NSF/ANSI 61 certified for valves and fittings of any size, tanks of any capacity and pipes 6" or greater in size.

This material bonds tenaciously to damp concrete. Combination with Belzona 9241DW aggregate creates a high-build NSF/ANSI 61 approved concrete repair system.



TECHNICAL DATA	Mixing ratio (Base:Solidifier)	2.6:1 by volume	4:1 by weight
	Working life	60 minutes at 20°C (68°F)	
	Shelf life	5 years	
	Heat resistance	150°C (302°F) dry	50°C (122°F) wet
	Atlas cell testing	No blistering or rusting is observed after 6 month immersion at up to 40°C (104°F)	
	Compressive strength	7,310 psi (50.4 MPa) after 7 day cure at 22°C (72°F)	
	Adhesion (tensile shear)	Aluminium: 13.4 MPa (1,940 psi)	Mild steel: 21.6 MPa (3,130 psi)
	Coverage rate	2.5m ² (27ft ²) / liter at 400 microns (16 mils)	

CURE TIMES	Temperature	5°C (40°F)	10°C (50°F)	22°C (72°F)	30°C (86°F)
	Light loading	29 hours	24 hours	6 hours	3 hours
	Full mechanical/thermal loading or water immersion	5 days	3 days	2 days	1 day

*Please visit the [product page](#) and consult the Product Specification Sheet (PSS) and Instructions for Use (IFU) for the latest technical data.



**BRUSH OR
SPRAY APPLIED**



**CORROSION
RESISTANT**



**HIGH
ADHESION**

Key Benefits:

- **Versatile application**

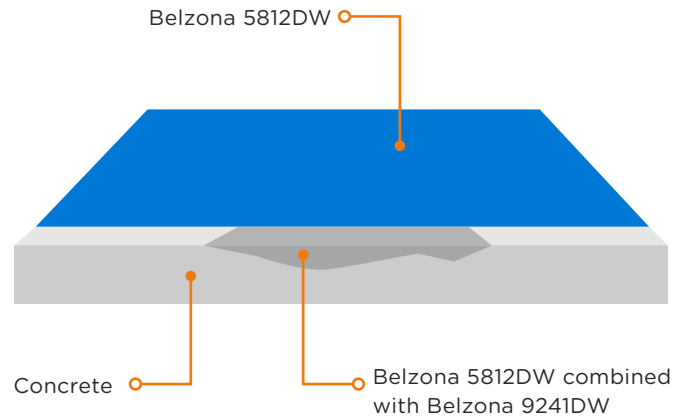
Spray- or brush-applied onto metallic surfaces, concrete, brick and others.

- **Excellent chemical resistance**

Resists various aqueous solutions and is suitable for contact with potable water.

- **Coating and high-build repair**

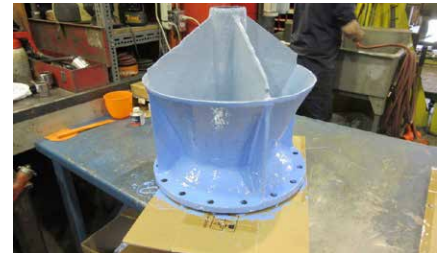
Can be applied as a two coat system or, when combined with aggregate, an NSF/ANSI 61 approved concrete repair solution.



Application Areas:

- Concrete
- Clarifiers
- Cooling tower pans
- External pipework
- Fittings
- Internal pipework
- Manholes
- Steel and concrete piling
- Tanks
- Valves
- Water boxes

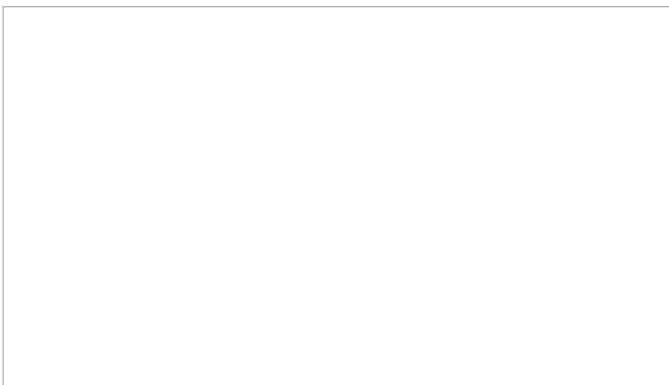
Before and After:



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.