

Belzona 5812DW is an NSF (ANSI 61) certified epoxy based protective coating for metallic and non-metallic surfaces in contact with aqueous solutions. It is engineered to be used as a lining for potable water pipes, storage tanks, valves and fittings.

Belzona 5812DW chemical and corrosion protection properties make it an ideal solution for municipal water departments often tasked with preventing or resolving corrosion under immersion, one of the most widespread problems.

This coating is NSF (ANSI 61) certified for applications to potable water tanks with a ≥ 500 gallons capacity, potable water pipes ≥ 6 " in diameter as well as valves and fittings ≥ 4 " in size.



Belzona 5812DW bonds tenaciously to damp concrete and cures at a temperature as low as 5°C (40°F). This versatile protective coating can be combined with Belzona 9241DW to create a high build, NSF approved, concrete repair system.

TECHNICAL DATA*

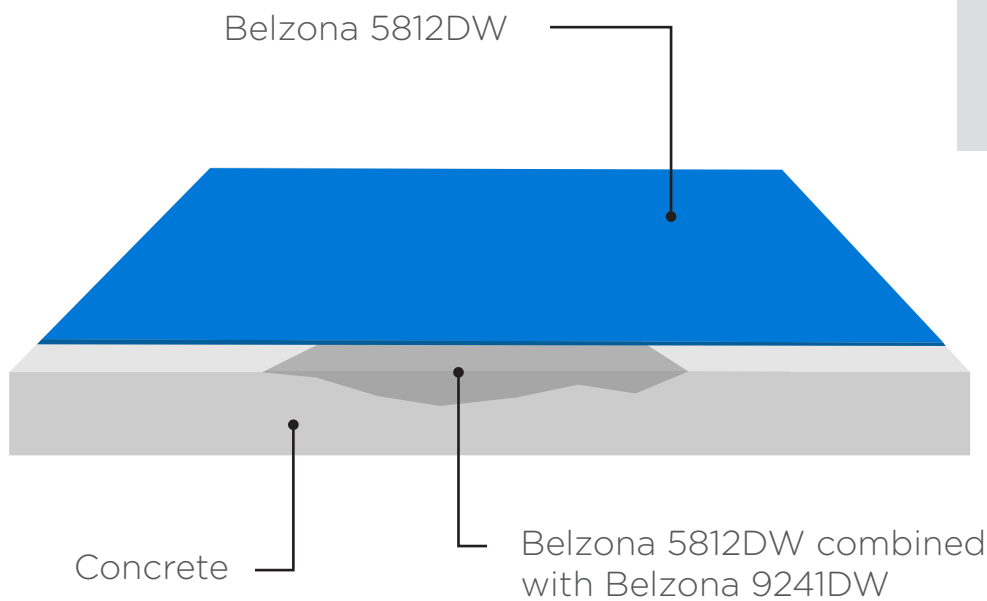
Mixing Ratio (Base:Solidifier) 4.7 : 1 by weight 3 : 1 by volume	Working Life 30 minutes	Shelf Life 5 years
Pull Off Adhesion (ASTM D4541) Grit blasted steel: 3,770 psi (26.0 MPa)	Compressive Strength (ASTM D695) 8,000 psi (55.2 MPa) after 7 day cure at 22°C (72°F)	Coverage Rate 4 m ² (43 ft ²) / 1 L at a thickness of 10 mils (250 microns)
Flexural Strength (ASTM D790) 5,930 psi (40.9 MPa) after 7 day cure at 22°C (72°F)	Shore D Hardness (ASTM 2240) 84	Cure Time Potable water contact or water immersion after 2 days cure at 22°C (72°F)

*Please consult the Product Specification Sheet and Instructions for Use for latest technical data

KEY FEATURES

- Easy to mix and apply
- Excellent adhesion to a wide variety of substrates
- 100% solids
- Cures at low temperature
- Brush or spray applied
- Excellent chemical resistance

Belzona 5812DW is part of the Belzona 5800 series of high performance barrier coatings. For more information, consult the Belzona 5800 series flyer.



APPLICATIONS

- Concrete
- Clarifiers
- Tanks
- Internal pipework
- External pipework
- Valves
- Fittings
- Water boxes
- Manholes
- Steel and concrete pilings
- Cooling tower pans
- *and many more!*