



High performance epoxy based, ceramic filled, erosion resistant immersion barrier coating for the protection of critical equipment operating under immersed and erosive conditions.

Belzona 5821 is a multi-purpose brush or spray applied protective coating that provides outstanding protection from the effects of salt, water, acids, alkalis, alcohols and hydrocarbons. This product can be applied to virtually any rigid surface including cast iron, stainless steel, brass, copper, concrete, wood, fiberglass and aluminum.

Belzona 5821 provides protection against erosion by binding specialty engineered and tightly packed ceramic particles to its epoxy based resin system, creating a seamless encapsulating protective coating that prolongs the operating life of critical assets.

TECHNICAL DATA*

Mixing Ratio (Base:Solidifier) 5 : 1 by weight 3 : 1 by volume	Working Life 105 minutes	Shelf Life 5 years
Pull Off Adhesion (ASTM D4541) Grit blasted steel: 5,290 psi (36.5 MPa)	Compressive Strength (ASTM D695) 5,780 psi (39.9 MPa) after 7 day cure at 22°C (72°F)	Coverage Rate 2.5 m ² (27 ft ²) / 1 L at a thickness of 16 mils (400 microns)
Flexural Strength (ASTM D790) 5,530 psi (38.1 MPa) after 7 day cure at 22°C (72°F)	Shore D Hardness (ASTM 2240) 81	Cure Time Full mechanical hardness after 5 days cure at 20°C (68°F)

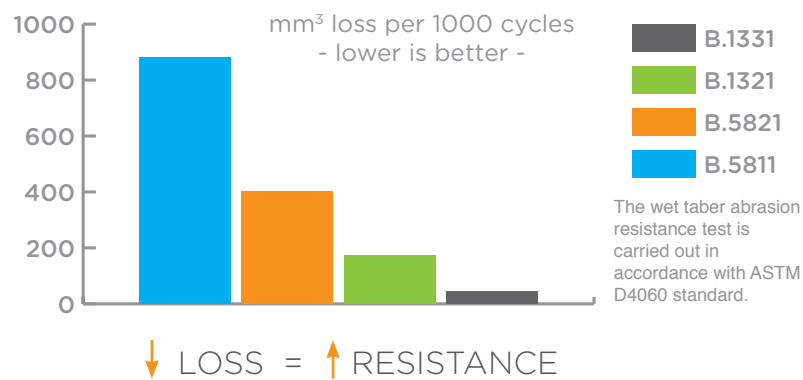
*Please consult the Product Specification Sheet and Instructions for Use for latest technical data

KEY FEATURES

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

Belzona 5821 is part of the Belzona 5800 series of high performance barrier coatings. For more information, consult the Belzona 5800 series flyer.

ABRASION RESISTANCE CHART



APPLICATIONS

- Bunds
- Tanks
- Clarifiers
- Water boxes
- Chemical storage areas
- Cooling tower basins
- Machinery and production areas
- Tube sheets
- Pumps
- Chemical containment areas
- Concrete sumps
- Manholes
- Steel and concrete piling
- Submersible pumps
- *and many more!*