

Underwater Protective Epoxy Coating

Underwater Epoxy Coating is a solvent-free, two-component epoxy system designed to be applied in underwater and splash zone environments. It chemically displaces water on the surface being coated affecting an excellent bond to the substrate. Underwater Epoxy Coating will not emulsify or float away during the application. Underwater Epoxy Coating is self-leveling and cures to a smooth and very hard ceramic-like finish with very low surface tension making it easy to clean, decontaminate.

Underwater Epoxy Coating lowers maintenance costs by providing integral repairs and extends the expected service life of equipment and structures. Underwater Epoxy Coating provides a long-life, durable waterproof surface on a variety of materials such as metal, wood, concrete, and fiberglass. Underwater Epoxy Coating provides excellent resistance to corrosion as well as most acids, solvents, caustics, and oils.

Application Condition

Recommended water or surface temperature should be above 10°C for optimal cure.

Surface Preparation

Immersion underwater Applied (Repair): SSPC- SP11 Power Tool Cleaning Bare Metal

Application

Mix 1 part of Part A Resin to 1 part of Part B Hardener of the Underwater Epoxy Coating. Thoroughly mix the two components together for 2-3 minutes. Avoid vigorous mixing to prevent trapping excess air bubbles in the liquid prior to application. May be applied using trowel, brush, roller or apply by hand using rubber gloves.

Recoat Application

Allow the coating to become tack free prior to recoating. If the coating is allowed to exceed the complete cure period, then mechanically abrade the surface before recoating.

Properties

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| Compressive Strength (ASTM D695) | 1,730 kgf/cm ² |
| Tensile Strength (ASTM D638) | 630 kgf/cm ² |
| Impact Resistance (ASTM D256, Method A) | 1.85 cm • kg/cm (0.34 ft • lb/in) |
| Shore "D" Hardness (ASTM D2240) | 72 |
| Bond Strength to Steel (ASTM D1002) | 129 kgf/cm ² |