



ULTRAPOXY SB

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Solvent-Based, Epoxy Resin Based Coating for Steel and Metal protection

Technical Specifications

- Density : 1.4 gm/cc.
- Solid Content: 90 %.
- Pot Life: 3:30 Hours @25° C.
- Touch Dry Time: 3 Hours.
- Second Coat: 6 hours @ 30°C.
- Single Minimum Film Thickness: 50 Micron.
- Single Maximum Film Thickness: 250 Micron
- Flexural Strength: 15 N/mm².
- Tensile Strength: 10 N/mm².
- Bond Strength: 3.5 N/mm².
- Abrasion Resistance: 6 mg/1000 cycles.
- Initial Hardness: 24 hours.
- Full Cure: 7 days.
- Shore D Hardness: 78.

Application and Rates

- High application rate; 3-5 m²/ kg. according to the roughness and nature of the surface. (For 100 Microns Thickness).
- **UltraPoxyl SB** supplied in two-packs Plastic and Tin packs weighing 20 Kg.
- Applied by brush roller or preferably by spraying machine.

Product Handling and Storage

- Store all material in a cool, covered dry place. Do not expose the pails to direct sunlight and keep away from all sources of heat. In tropical climatic conditions, the product has to be stored in an air-conditioned environment and protected from high humidity.
- The shelf life of the product is 24 months in unopened condition if stored as per the recommendations. Exposure to high temperature and humidity will result in considerable deterioration of the product and reduce its shelf life.



UltraPoxyl SB, the features:

- Solvent based epoxy coating for various types of steel and metal protection, It provides high protection against corrosion and wear resistance.
- It is a durable protection. since it provides an impervious and seamless surface which is the best for preventing humidity and water to diffuse to the steel and metal surface giving the highest protection against corrosion.
- It is easy to apply by brush, roller, or airless spray machines with high application rate/ day.
- It is available in 12 standard colors, special colour upon request.
- Could be applied on all surfaces, and adheres very well to all surfaces, giving semi-gloss finish.



Applications

- **Protection of all types of steel against corrosion.**
- **Protection of steel pipes and fittings.**
- **Internal lining of water supply pipes and lines.**
- **Applied for steel hangers structures in places contain chemicals and chemical fumes.**
- **Applied for steel stairs and floors.**
- **could be applied on production machines and lines , for protection against corrosion and chemicals attack.**
- **UltraPoxxy SB is used in workshops Repair shops, Stores and fabrication units.**

Health and Safety

As with all construction chemical products, caution should always be exercised.

Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

Application Procedure:

Surface preparation: Proper care should be taken while executing it. The surface should be dry, free of any old paint, oil and grease, and any other contaminants, which may affect the bonding between epoxy coat and the metal surface.

- Light mechanical scrapping, or sandblasting is required before the application of the coating.

- Metal surfaces should be sandblasted at least at "Commercial Blast Cleaning" or "Sa2".

Priming: on most steel surfaces priming may not be required, for the need of primer use **UltraPoxxy ZR** as a primer.

(Please refer to Separate Data Sheet for **UltraPoxxy ZR**)

Mixing Mix part A (resin) separately for 1 minute using a slow speed drill fitted with a suitable paddle. Then add Part B into Part A and mix thoroughly for 2 – 3 minutes to achieve uniform consistency. Apply immediately after mixing.

Application **UltraPoxxy SB** has to be applied and spread evenly on the metal surface with suitable application. The coating may be applied also by airless spray to get a higher application rate and evenly surface.

- Humidity should not exceed 70 % when apply **UltraPoxxy SB** specially in outdoor applications

- For a non slip finish, (For steel stairs and metal walkways) broadcast non-slip Aggregate No. 3 into the first coat @ 0.7 kg/m² and remove excess prior to application of second coat.

Cleaning Clean all tools & equipments with suitable solvent immediately after use. Hardened materials can be removed mechanically only.



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