



ULTRAPOXY SC-E

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High Performance, Solvent free, Epoxy Resin Based Coating for Steel and Metals

Technical Specifications

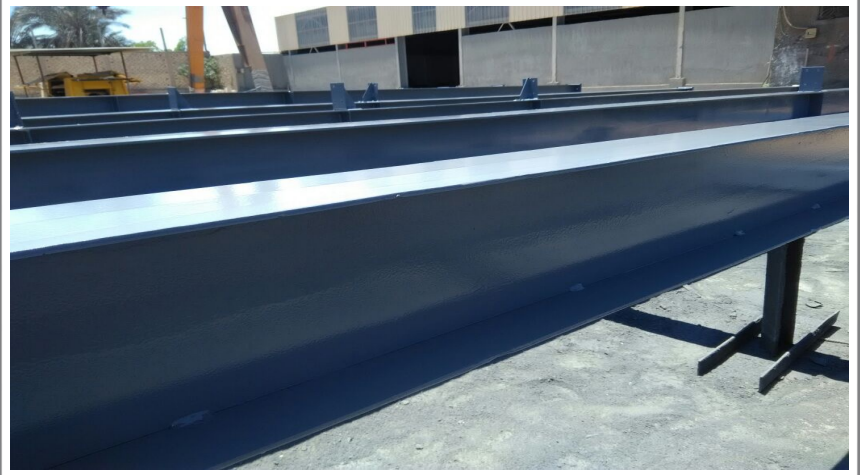
- Density : 1.47 gm/cc.
- Solid Content: 100 %.
- Pot Life: 2 hours @ 20° C.
- Touch Dry Time: 3-4 Hours @25°C.
- Second Coat: 10 hours @25°C.
- Compressive Strength: 65 N/mm².
- Flexural Strength: 17 N/mm².
- Tensile Strength: 12 N/mm².
- Bond Strength on concrete: 4 N/mm².
- Abrasion Resistance: 0.4 mg/1000 cycles. (As loss in weight).
- Impact Resistance: Pass (1 kg. wt. 100 cm high).
- Full Cure: 7 days.
- Kerosene and mineral oils resistance: passed.
- Sea water resistance : Passed for 21 days

Application and Rates

- High application rate; 4-6 m²/ kg. according to the roughness and nature of metal surface.
- **UltraPoxy SC-E** supplied in two-packs plastic packs weighing 5 Kg or 10 Kg.
- Applied by brush roller or preferably by spraying machine.

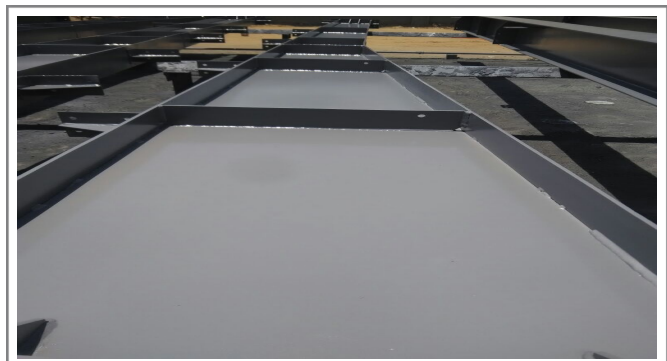
Product Handling and Storage

- 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.



UltraPoxy SC-E, the features:

- High performance epoxy coating for various types of steel protection, It provides high abrasion and chemical resistance.
- It is a hygienic. since it provides an impervious and seamless surface which is easy to clean.
- It is easy to apply by brush, roller, or airless spray machines with high application rate/ day.
- It is available in 12 standard colours, special colour upon request.
- It is a solvent free material so can be applied in confined spaces.
- Could be applied on all surfaces, and adheres very well to all surfaces, specially metals.



Applications

- **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..**
- **UltraPoxy SC-E is used in workshops 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, grit/captive blasting or grinding is recommended for cleaning the surface of such contaminants.

Priming: on most steel surfaces priming may not be required.

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



Application **UltraPoxy SC-E** 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.

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



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