



ULTRATHANE

ألتراثان

UV Stable, Color Stable, Aliphatic Polyurethane Coating for Foam, Steel and Concrete

Technical Specifications

- Density : 1.4 gm/cc.
- Solid Content: 80 %.
- Pot Life: 4 hours @ 20° C.
- Touch Dry Time: 4 Hours.
- Second Coat: 24 hours.
- Film Thickness: From 50 up to 100 micron.
- Flexural Strength: 15 N/mm².
- Tensile Strength: 11 N/mm².
- Bond Strength: 3 N/mm².
- Abrasion Resistance: <50 mg/100cycles.
- UV Resistant: Excellent UV resistant.
- Full Cure: 7 days.
- Color Retention: Excellent.

Application and Rates

- High application rate; 5-6 m²/ kg. according to the roughness and nature of metal surface.
- **Ultrathane** supplied in two-packs weighing 20 Kg.
- Applied by brush roller or preferably by spraying machine.

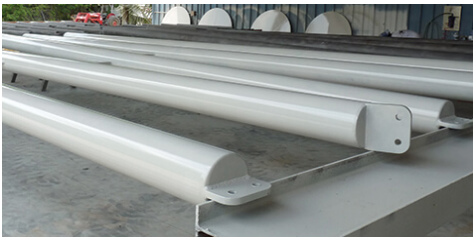
Product Handling and Storage

- 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 12 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



- Ultrathane, the features:

- A high performance finishing coat for structural steel in aggressive and corrosive environments such as onshore and offshore steel superstructures, pipelines and bridges etc. Also suitable as a finishing coat for concrete surfaces where high durability is desired.
- Easy maintenance coating with long term recoatability properties.
- Excellent colour and gloss retention.
- Excellent flow and leveling properties.
- Resistant to spillage or splashes of mild chemicals.
- Able to achieve a film build of 75µm in a single coat application.
- Excellent UV resistance and overall durability properties



Applications

- Protection coating for thermal foam insulation.
- Outdoor car parking areas.
- Outdoor steel structures subjected to sunlight.
- Protection of steel pipes and fittings.
- 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..
- **Ultrathane** 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 Polyurethane coat and the metal surface

Light mechanical scrapping, sand blasting or grinding is recommended for cleaning the surface of such contaminants.

Priming: on most steel surfaces priming with UltraPoxy ZR or UltraPoxy SC-E required before the application of **Ultrathane**.

Or in concrete floors applied over the (**Ultrapoxy Primer, UltraPoxy**) system

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 **Ultrathane** 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% specially in outdoor applications

- In case of concrete applications and for a non slip finish, broadcast non-slip Aggregate No. 3 into the first coat @ 0.3kg/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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