



**Green Build
Egypt**
Experience and Innovation

ULTRAPOXY T

ألترابوكسي تي

Epoxy Resin Based, High Bond, Chemical Resistant, Tile Adhesive

Technical Specifications

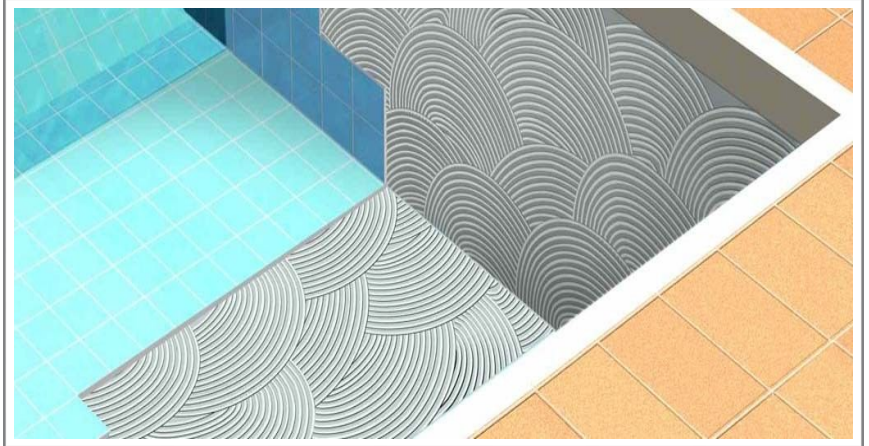
- Density : 1.9 gm/cc.
- Solid Content: 97 %.
- Pot Life: 45 min @ 30° C.
- Touch Dry Time: 6 Hours.
- Compressive Strength: 65 N/mm².
- Flexural Strength: 16 N/mm².
- Tensile Strength: 11 N/mm².
- Bond Strength: 4 N/mm².
- Initial Hardness: 24 hours.
- Full Cure: 7 days.
- Shore D Hardness: 90.

Application and Rates

- High application rate; 1-2 kg. /m² according to the porosity and nature of the surface to be covered with tiles.
- **UltraPoxxy T** supplied in two-packs plastic packs weighing 5 Kg, 10 Kg packs are also available upon request.
- Applied by trowel and notched trowel for best adhesion properties.

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.



UltraPoxxy T , the features:

- High build epoxy bonding mortar for fixing various types of Tiles , It provides high bond and chemical resistance mortar.
- It is easy to mix and apply since it is creamy and applied easily with traditional tile fixing methods
- It provides chemical resistant tile adhesive mortar for fixing chemical resistant tiles.
- Could be applied on all surfaces, and adheres very well to all building surfaces, **It is the best product for fixing all types of tiles to metal surfaces even smooth surface.**
- It is a hygienic. since it provides an impervious and seamless surface and does not support the growth of bacteria and fungi and it is easy to clean.

Application Procedure:

Surface preparation: The surface should be dry, free of any cement laitance, oil and grease, curing compound and any other contaminants, which may affect the bonding.

- New concrete surfaces should be 21 days old and the

Applications

- Shopping malls and places where high bond strength tile adhesive is required.
- Protection of floors of Chemical Warehouses and chemical Factory floors.
- Laboratory benches, and floors
- Fixing tiles over steel surfaces in boats, and stairways.
- Fixing "Acid and Chemical Resistant" tiles
- Food and Pharmaceutical industries areas.
- **UltraPoxy T** 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.

moisture content on the surface must be less than 5%.

- For fixing the tiles over steel surfaces, the steel should be free from rust and scales to obtain maximum adhesion between **UltraPoxy T** and the steel substrate.

Mixing Mix part A (resin) separately for 1 minute using a slow speed drill fitted with a paddle (in case of manual mixing, mix until a homogenous creamy paste is achieved). Then add Part B into Part A and mix thoroughly for 2 – 3 minutes to achieve uniform consistency (Mix black Part B to white Part A until gray paste is obtained). Apply immediately after mixing.



Application Apply the mortar into the substrate directly after mixing within the pot life and spread by suitable trowel, for best adhesion results the surface may be notched out by notched trowel to thickness of at least 6 mm (as appear in the above image).

-Apply in a rate of 2 Kg./m² and then start to place the tiles according to the required tile pattern, press firmly over the tile to obtain maximum adhesion to the substrate.

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



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