

ULTRA EPOXY ADHESIVE – TDS

Product Name:

Ultra Epoxy Adhesive

Product description:

Ultra Epoxy Adhesive is a high strength, creamy, two part epoxy stone adhesive that exhibits superior bond strength. It is specially designed for the fixing of natural stone such as marble and granite, including those sensitive to moisture, on vertical surfaces such as walls and overheads in interior and exterior applications. It is also ideal for large format ceramic and porcelain tiles.

Ultra Epoxy Adhesive can also be used for the fixing and bedding of natural stone such as marble and granite slabs on walls and floors, bench tops and stair risers.

Advantages:

- Easy to use
- Smooth, easy to blend consistency
- Non slump capability
- Ideal for natural stones – will not stain or bleed through
- Strong permanent bond that will not deteriorate over time
- Excellent adjustability to easily compensate substrate and tile variations
- Capable of withstanding shock and vibration movements
- Good chemical resistance
- Suitable for fixing white and translucent marble, creamy white colour
- Can be used in immersed conditions such as swimming pools
- For internal and external applications

Area of usage:

- Concrete, renders, screeds
- Medium density fibre-cement sheet
- plasterboard
- Existing ceramic and stone tiles
- Autoclaved Aerated Concrete (AAC) Brick
- block work
- Large format stones
- Ceiling installation
- Internal sheet timber

Surface Preparations:

The surface being adhered to must be clean, firm and free of dust, dirt, oil, grease, curing compounds, release agents and other barrier materials, as well as being sound, stable and strong enough to support the weight of the tiles or stone being fixed. Ensure surfaces are dry before tiling, with no residue or permanent damp.

Painted Surfaces: Thoroughly remove painted surfaces mechanically, do not use paint stripper or solvents. Allow surface to dry after cleaning.

Plasterboard/Medium Density Fibre-Cement Sheet: Provided that these boards are firmly and rigidly fixed to adequately support the weight of the tile or stone, they can be fixed directly. Please ensure the surface is completely clean and free of loose materials. These sheets must be fixed strictly in accordance with manufacturer's instructions and be deemed suitable for the application by the manufacturer.

Cement Render/Screeds: New renders and screeds should be finished with a wood float to the required surface regularity. Screeds should be pitched to drains where required. Allow at least 7 days to cure.

Mixing:

Thoroughly mix the Resin and filler without any lump then slowly add Hardener into the Paste until a uniform mixing is produced. The use of a propeller type stirrer in a slow speed drill is advantageous. The Ultra epoxy adhesive is ready for immediate use and has a working time of approximately 85 minutes at 20°C. This is reduced at higher temperatures and extended at lower temperatures. At high temperatures it is recommended that the epoxy adhesive is spread out immediately after mixing as self-heating in the container will reduce the working time. Apply at temperatures above 10°C.

Application:

Laying tiles by using tile adhesive with notched trowel requires less amount of material. And this leads to lighter load to building structure.

Precautions:

The hardener which contains trientine, 2, 2-iminodiethylamine and the epoxy resin which contains bisphenol A/F-epichlorhydrin, oxirane can be irritating to the eyes and skin and may cause sensitisation by contact. They are considered harmful in contact with the skin and if swallowed. During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin during mixing and application. Avoid contact with the hands by wearing protective gloves and by using, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately



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with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to epoxide materials. Always wear gloves and eye/ face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice

Packing:

10 kg Pail.

Storage:

Shelf life of adhesive is 12 months in original pack and Store in dry conditions.

Technical Data:

Appearance	Grey and White
Shelf life	12 months
Pot life	45 min
Adjustable time	45 min
Sheer adhesion after 7 days	≥ 2 mpa
Foot traffic	24 hours
Drying time	8 hours
Coverage	3kg/m ² using thin bed trowel

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