

Product Description

Techno Fix STA, Cementitious Tile Adhesive is a multi purpose polymer fortified thin set powder to be mixed only with water to install various types of tiles and stones on variety of substrates.

Advantages

Tropical grade to suit Indian working conditions

- Single componet - just add water
- Dual use for both floors and walls
- Good slip resistance
- High strength, polymer fortified
- Water Resistant
- Improved impact resistance
- Can be used in totally submerged conditions

Properties

Specific Gravity - 1.9/gcc

Bond Strength - $>3.5 \text{ N/mm}^2$ as per ASTM C882-99

Application Methodology

Surface preparation

All surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile. Substrate deflection under all live, dead and impact loads including concentrated loads must not exceed $L/360$ for thin bed ceramic tile installations or $L/480$ for thin bed stone installation where L is span length. All cementitious surfaces must be thoroughly wetted with water before Techno Fix STA is applied.

All traces of grease or oil must be removed with a chemical degreaser. All loose particles of mortar, old wallpaper, paint etc. must be physically removed.

Surfaces

Techno Fix STA can be applied directly on concrete, cement screeds, and cement or lime mortar. Special attention must be given to new construction prior to commencing tiling. Tiles should not be placed on concrete or brickwork until all shrinkage movement has taken place.

Uses

Techno Fix STA is a high quality adhesive for the permanent fixing of ceramic tiles designed specially for interior floor and wall as well as limited exeterior floor and wall installations of all types of ceramic, vitreous, glass mosaic, pre-cast terrazo over concrete and various cementitious substrates. Typical uses include:

- Wet areas - kitchens and bathrooms
- Tile claddings

Mixing

Techno Fix STA should be mixed with clear potable water in the ratio 3:1 by weight (3 part powder : 1 part water). A slow speed drill fitted with a mixing paddle is recommended for mixing.

Add powder to water and mix until a uniform, lump-free consistency is achieved. The total quantitiy of water may be slightly adjusted to achieve the required consistency.

Application

Techno Fix STA should be spread on the substrate to a uniform thickness of 2-3mm, and then combed horizontally with a serrated trowel. Place tiles firmly into adhesive bed, ensuring good contact with a twisting motion and beat in using a beating block or subber mallet to embed tile and adjust level. Back butter large tiles (12" x 12") to provide full bedding and firm support

If adhesive is skinned over (not sticky) remove and replace with fresh tile adhesive. Only apply to areas which can be tiled in the adhesive's open wet time (up to 1m2 at a time).

Joints

It is recommended that when fixing ceramic tiles, a minimum spacing of 2mm be left around each tile.

Finishing

Remove excess adhesive with a damp cloth before material has set. Joint grouting with Techno Fill TG may be commenced 24 hours after tiles have been laid.

Cleaning

Techno Fix STA should be removed from tools, equipment and mixers with clean water immediately after use. Cured material can only be removed mechanically.

Limitations

TechnoFix STA should not be used directly over particle board and hardwood floor. It should not be used when the temperature is below 5°C and falling. The product should not be exposed to moving water during application. If any doubt arise concerning temperature or substrate conditions, consult your local Apex Technical Services

Estimating

Techno Fix STA is available in 25kgs pack

Coverage:

Approx. 3.8 kg/m²@2mm on a levelled floors

(Note : Actual yield will vary according to water addition, actual coverage may vary depending upon substrate undulations)

Shelf Life

Techno Fix STA has a shelf life of 12 months if kept in a dry store in the original, unopened bags.

Storage conditions

Store in dry conditions in the original, unopened bags or packs. If stored at high temperature and/or high humidity conditions the shelf life may be reduced.

Health and Safety

Techno Fix STA contains cement powders which, when mixed with water or upon becoming damp, release alkalis which can be harmful to the skin.

During use, avoid inhalation of the dust and contact with the skin or eyes. Wear suitable protective clothing - eye protection, gloves and respiratory equipment (particularly in confined spaces).

The use of barrier creams to provide additional skin protection is also advised. In case of contact with the skin, rinse with plenty of clean water, then cleanse thoroughly with soap and water.

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

Fire

Techno Fix STA is non-flammable

Important: Technokem products are guaranteed against defective materials and are sold subject to its standard terms and conditions of sale. It is the Customer's responsibility to satisfy themselves by checking with the Company whether the information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current Technical Literatures. However, Technokem does not warranty or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendation relating to application and end use are given in good faith.

For Complaints/Suggestions:

Please write to our Customer Care Executive at

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