

## WHITE SAND FACADE TS

High-performance Façade Tile Adhesive

### Product Description

WHITE SAND FACADE TS is a pre-weighed two component, cementitious floor and wall tile adhesive. WHITE SAND FACADE TS is ideal for bonding natural, mosaic, porcelain, ceramic, and glass tiles to most common building substrates including concrete, cement/sand render, screeds, brick and block work, and existing tile surfaces. WHITE SAND FACADE TS is formulated to provide enhanced adhesion and flexibility which make it ideal for installation of large tiles exposed to thermal and mechanical stresses. WHITE SAND FACADE TS is chemically designed to fix not only tiles of low porosity, but also the non-absorbent ones.

### Features and Advantages

- No water or admixture is required, simple mix of two pre-weighed components.
- High bond strength.
- Slump-free consistency with high initial grab enabling heavy wall tiles to be fixed.
- Used for all types of tiles.
- Suitable and perfect for both interior and exterior applications.
- Excellent mechanical properties
- Can be used to bond new tiles to old ones.

### Standard compliance

WHITE SAND FACADE TS complies with EN 12004 as C2T.

### Product Performance Properties

Mixing Type	Polymer-modified cementitious tile adhesive
Mixing Color	Reddish Brown
Wet Density	1.6 kg/l $\approx$
Pot Life	90 minutes
Open time	20 minutes
Adjustability	20 – 30 minutes
Tensile adhesion strength (EN 1348)	$\geq$ 1.0 MPa (after 28 days)
Set time: 24 hours 48 hours 14 days	Ready for grouting Ready for light traffic Ready for heavy traffic

\*Values are valid at ambient temperature of 23 C, and 55% Relative Humidity.

## Directions for Use

### Substrate Preparation

All surfaces must be clean, sound and free from any loosely adhering particles. Cement laitance must be removed.

Wire brush, sand- or water-blast or grinding may be used to clean the substrate.

Concrete substrates must be at least 4 weeks old depending on climate.

Wet all surface (except gypsum board) with clean water before application of WHITE SAND FACADE TS .

The surface should appear damp with no water pooling.

Do not apply WHITE SAND FACADE TS in ambient temperatures below 5 C.

### Mixing

WHITE SAND FACADE TS powder part should be added slowly to the liquid part during the mixing process which should be carried out using a mixing paddle attached to a slow speed electric drill. Mixing process should remain for at least 2 minutes until the material becomes smooth in consistency, even in color and slump free.

### Application

The mixed mortar adhesive is applied to the prepared surface and firmly pressed with a trowel and then combed through a suitably sized notched trowel in straight ribs to give ribbed adhesive bed (the size of the notched trowel chosen depends on the tile size, the surface being tiled, and the profile on the back of the tile).

Back buttering method (application of the adhesive to the back of the tile) may required with particular floor tiles subjected to heavy traffic conditions.

After applying the adhesive and within the open time, bed and press the tiles firmly with a slight twisting action to achieve the required contact with the prepared substrate. immediately nock the tiles to the desired position.

And if required, adjust the position within its adjustability time.

N.B. Tiles should not bridge active joints between concrete slabs. Use WHITE SAND sealants to seal expansion joints.

Use the correct cross spacer to control joints. Ensure that there are no voids under the tiles and they are fully supported by the adhesive. Clean off excess adhesive from the tile face and the grout lines with a damp cloth before it sets.

Allow the installed tiles to remain undisturbed for at least 48 hours. Mortar adhesive must not rise between the tile joints higher than halfway the thickness of the tiles.

### Cleaning

Clean all tools immediately after job finishing with water. Hardened material will need to be removed mechanically.

### Packaging

WHITE SAND FACADE TS (powder): 20 kg paper bags.

WHITE SAND FACADE TS (liquid): 8 liters barrels.

### Yield and Coverage

4.0 kg/m<sup>2</sup> at continuous bed thickness of 2.5 mm.

3.0 kg/m<sup>2</sup> when 4 mm notched trowel is used.

6.0 kg/m<sup>2</sup> when 8 mm notched trowel is used.

This stated data is approximate and is for general guidance only.

Actual consumption depends on the nature of the substrate, method of application, and wastage of material.

### Storage and Shelf Life

WHITE SAND FACADE TS has a minimum 12 months shelf life when stored in dry, shaded place. In unopened, undamaged original bag or barrel. And away from direct sunlight in ambient temperature below 35 C

### Health and Safety

It is highly recommended to use suitable protective gloves and goggles during handling and application, and to avoid unnecessary direct contact of skin or eyes to the material.

Accidental contact of WHITE SAND FACADE TS to the skin should be washed off immediately with soap and clean water. Eye Irritation or Contact should be washed off immediately with copious amount of clean cold water.

For prolonged irritation, seek medical advice.

WHITE SAND FACADE TS is a non-flammable and not classified as a hazardous material under current legislations. Do not dispose the material into water or soil. For the sound and valid disposal, consult and follow the related local regulations.

### White Sand Product Quality

Ensuring the achievement of customers' requirements and conformance to national and international standards, all WHITE SAND products are developed and manufactured under the base of a highly quality-oriented Product Development processes, and an independently standardized Quality Management System

### Technical Support

WHITE SAND provides assistance to its customers and gives site support, consultations and technical advice on concrete repair, surface preparation and treatment, tile adhesive and tile grout selection, and tile installation techniques.

### Additional White Sand Products

WHITE SAND produces a wide range of high-quality construction chemicals and specialty products Including following product groups:

- Adhesives and Tiling Systems.
- Surface Treatments and Primers.
- Concrete Repairs and Grouts.
- Waterproofing Systems.
- Finishing Systems.
- Flooring Systems.
- Plasters and Renders.
- Cement Modifiers and Mortar Admixtures.
- Protective Coatings and Linings.

#### Disclaimer

The information given here is based on the best of our knowledge, good faith, experience and laboratory based results and therefore the results will vary depending on the real time application. Also, the values indicated in this Data Sheet here are subject to  $\pm 10\%$  variance due to multiple factors. The performance of our Product depends on the workmanship/quality of application job at the site. Hence White Sand Company for Industry is not responsible for any sort of claims/disputes arising out of any negative results by using our ranges of products. White Sand Company for Industry is not held responsible for use of this product for applications other than specified and/or adopting any faulty application/curing methodologies. It is the user's responsibility to have through this Technical Data Sheet prior to applying our products and to ensure with White Sand Company for Industry that any product information is still prevailing at the time of application. Also the user must be sure that the product is suitable for the use intended and also applied it as specified while taking care of all precautionary measures. While all the products comply with the properties shown on current technical data sheets/brochures, White Sand Company for Industry does not warrant or guarantee the products' performance as it doesn't have any control over factors adopted during its actual application.

