

# Technical Data Sheet

## WHITE SAND PREMIUM FIX TS

High-performance, Polymer-modified, two component, Cement-based Flexible Tile Adhesive

### Product Description

White Sand Premium Fix TS is polymer modified, two-component cement-based, flexible, and waterproof tile adhesive for internal and external applications.

White Sand Premium Fix TS is formulated to provide superior adhesion, slip-resistance, flexibility and water tightness which make it ideal for installation of large tiles exposed to thermal and mechanical stresses, and high degrees of humidity.

### Features and Advantages

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

### SCOPE OF Applications

#### Applicable tile types include:

WHITE SAND PREMIUM FIX TS is ideal for bonding wide range of small to large tiles including:

- Porcelain
- Mosaic
- Natural Stones and Sandstone
- Marble
- Granite
- Ceramic
- Glass Tiles

#### Applicable substrates include:

WHITE SAND PREMIUM FIX TS is ideal for most common building substrates including:

- Concrete
- Lightweight blocks
- Cement-based plaster and renders
- Stone walls (cleaned and prepared)
- Cement-based screeds
- brick and block work
- Glazed tiles
- Existing tile surfaces
- Gypsum board
- Wood agglomerates
- Aluminum coverings

#### Precaution:

Applications over difficult substrates such as gypsum, wood, relevant primer is required, consult WHITE SAND for advice.

Applicable Areas of Use include:

- Facades
- Swimming pools
- Parking
- Bathrooms
- Stairs
- Heated floors
- Hospitals
- Public showers
- Balconies
- Terraces
- Subways

### Standard Compliance

BS 5980:1980.

ANSI-A118.4-1999 Cl. H-4.4.

White Sand Premium Fix TS

complies with EN 12004 as C2TES2.

### Product Performance Properties

Mixing Type	Polymer-modified, two component tile adhesive
Color	Grey and White
Composition of Powder	Cement, fillers, and specialty chemical additives
Composition of Liquid	Resins (polymer additives), and admixtures
Mixing Ratio	Factory prepared
Wet Density	≈1.6 kg/l
Pot Life	120 minutes @ 23 C
Open time	30 minutes
Adjustability	20 – 30 minutes
Tensile adhesion strength (EN 1348:2007)	≥ 2.0 MPa (after 28 days)
Setting time:	
24 hours	Ready for grouting
48 hours	Ready for traffic

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#### 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 Premium Fix 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. 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 Premium Fix 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 Premium Fix 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 PREMIUM FIX 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 PREMIUM FIX TS is a non-flammable and not classified as a hazardous material under current legislation.

Do not dispose the material into water or soil.

For the sound and valid disposal, consult and follow the related local regulations.

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#### 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 highly quality-oriented Product Development processes, and an independently standardized Quality Management System.

#### Technical Support

WHITE SAND assists 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
- Waterproofing and Protective Coating Systems
- Concrete Repair & Restoration Systems
- Finishing & Paints Systems
- Admixtures for Mortar and Concrete
- Surface Treatments and Primers
- Industrial Flooring Systems
- Engineering Grouts and Anchoring Systems
- Resinous Protective Coating and Lining Systems

#### 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.



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