

## White Sand Thick Render

Ready-to-use Cement-based render for Thick Applications

### Product Description

White Sand Thick Render is a dry-mix, pre-blended, polymer-modified cementitious mortar formulated to be mixed with a controlled amount of water to produce a high-performance render material for thick applications. White Sand Thick Render is formulated to be used as a thick render over rigid substrates including concrete block, stucco mesh, and brick. The product is easily applied, troweled, and worked to a flat finish by sponge, float or trowel.

### Advantages and Key Functions

- Ready to use dry-mix, only water is added
- High workability, easy to apply.
- High Durability.
- Excellent mechanical properties.
- Compatible with all decorative finishes.
- For interior and exterior use.
- Suitable for hot climate conditions.

### Product Performance Properties

Type	Pre-mixed cementitious powder
Color	Grey
Mixing Ratio	≈ 5.0 liters per 25 kg bag, 10.0 liter per 50 kg bag
Wet Density	≈ 1.8 kg/l
Coverage (average)	1.4 - 1.6 Kg/m <sup>2</sup> /1mm
Pot life	1 hour
Setting time	4 hours
Compressive Strength (ASTM C109)	> 12 MPa @ 28 days
Flexural Strength (ASTM C348)	> 3.5 MPa @ 28 days
Bond Strength (BS EN 1015-12)	> 0.8 MPa @ 28 days
VOC Content	> 20.0 gm/liter

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

## Directions for Use

### Substrate Preparation

The surface should be sound and free from any contaminants.

Clean down the substrate to remove dust, dirt or any other matter impairing White Sand Thick Render bond.

Ensure that the surface is damp before applying White Sand Thick Render.

### Mixing

Consistency of the mixed product is dependent largely on the amount of mixing- water used.

The standard value is about 5.0 liters of water per 25 kg bag and 10.0 liters of water per 50 kg bag.

White Sand Thick Render must be added slowly to the water during the mixing process which should be carried out using a slow-speed drill fitted with high shear mixing paddle. Mixing should remain for at least 3 minutes until the material becomes homogeneous and even in consistency.

Mixed plaster should be used within its pot life. Mix only quantities that can be applied within the pot life.

Hard and set mortar should not be re-mixed or used again.

### Application

The mixed White Sand Thick Render can be applied by traditional hand application or by modern plastering machines (spiral pump) to increase productivity at site.

In case of hand application, place and compact the plaster into the substrate surface using a steel trowel in thickness up to 30 mm applied in layers.

Trowel into place and allow the material to stiffen before the next lift.

### Finishing

Finish the applied mortar to match the surrounding area using wooden or plastic floats.

Do not use water during the finishing stage, use only a damp sponge if required.

### Curing

Under normal conditions, high bond strength can be achieved by moistening the applied surface for 2 days to permit continuous hydration of the cementitious materials.

Under high temperatures and dry conditions or strong wind, it is recommended to fine spray periodically the applied surface with water for an additional 2 days.

### Cleaning

Clean all tools immediately after the job is finished.

Hardened material will need to be removed mechanically.

### Packaging

25 kg / 50 kg paper bags.

### Storage and Shelf Life

White Sand Thick Render has a minimum 12-month shelf life when stored in dry, shaded place.

In the unopened, undamaged original bag.

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 Thick Render to the skin should be washed off immediately with soap and clean water. Eye Irritation or Contact should be washed off immediately with copious amounts of clean cold water. For prolonged irritation, seek medical advice.

White Sand Thick Render is a non-flammable and not classified as a hazardous material under current legislation.

Do not dispose of the material in water or soil.

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

### White Sand Product Quality

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.

### Technical Support

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.

### 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.

