WHITE SAND
Construction Chemicals
Construct your dream !

Porcelain White Sand

High performance Polymer-modified Cementitious tile adhesive

Product Description

PORCELAIN WHITE SAND is a high quality, polymer-modified cementitious tile adhesive formulated to be mixed with clean water to provide a high performance and easy workable thin-bed tile adhesive. With anti-slip feature.
Suitable for installation of a wide range of floor and wall ceramic tiles.
Suitable for installation of porcelain, marble and natural stone.
PORCELAIN WHITE SAND is composed of Portland cement, specialized polymeric materials, graded silica sand and other fillers, and special chemicals and additives.
The raw materials used in manufacturing PORCELAIN WHITE SAND were carefully selected to enhance the key mechanical properties of the product and provide the most effective application properties.

Advantages

- Good application properties and superior workability.
- High bond strength.
- Easy tile installation that enables high productivity.
- Slump-free consistency, anti-slip.
- Used for both floor and wall applications.
- Used for installation of porcelain, marble, natural stone, and all kinds of ceramic tiles.

Standard compliance

PORCELAIN WHITE SAND complies with EN 12004 as CTES1.

Product Performance Properties

Color	White and Grey premixed cementitious powder
Mixing Water	≈ 5 liters of clean water per 20 kg bag
Wet Density	1.8 kg/l≈
Pot Life	90 minutes
Open time	20 minutes
Adjustability	10 – 15 minutes
Tensile adhesion strength (EN 1348)	≥ 1.0 MPa (after 28 days)
Shore "D" Hardness	≥ 55
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.

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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 PORCELAIN WHITE SAND.
The surface should appear damp with no water pooling.

Mixing

Porcelain White Sand should be added slowly to about 5.5 liters of clean water during mixing. It is recommended to use a mixing paddle attached to a slow speed electric drill for at least 2 minutes until the material becomes smooth in consistency 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. Spread the mortar adhesive to an area that can be tiled within 10 – 15 minutes.
After applying the adhesive and within the open time, bed and press the tiles firmly with a slight twisting action to ensuring that the tile back achieves full contact with the adhesive. immediately nock the tiles to the desired position. And if required, adjust the position within its adjustability time of 10 – 15 minutes after installation.
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.
It recommended to use WHITE SAND TILE GROUT to fill the joint gaps after 24 hours of tile installation.

Cleaning

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

Packaging

20 kg paper bags.

Yield and Coverage

Coverage of 20 kg bag of PORCELAIN WHITE SAND mixed with 5 kg of clean water is 5.0 – 6.0 m2.
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

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

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Substrate Preparation

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 PORCELAIN WHITE SAND 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.

PORCELAIN WHITE SAND 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 ± 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.