

## WHITE SAND EP20

Chemical-resistant, Solvent-free Epoxy-based Tile Adhesive

### Product Description

WHITE SAND EP 20 is a three-component, solvent-free epoxy resin-based tile adhesive mix. Consisting of a base, a hardener, and specially selected fillers. The three components are mixed together to give smooth, non-slump paste tile adhesive.

### Uses and Key Functions

- Food processing factories.
- Diaries.
- Chemical production and processing units.
- Swimming pools and aquariums.
- Industrial Kitchens, food plants, and hospitals.

### Features and Advantages

- Good adhesion to steel, concrete, and all kinds of tiles.
- High resistant to a wide range of chemicals.
- Moisture insensitive for bond to dry or damp surfaces.
- Hygienic in service, will not support bacterial growth.
- Easy to apply, and easy to clean.

### Product Working Properties

Type	Solvent-free Epoxy-based tile adhesive
Mixing Ratio	Factory Proportioned
Solid Content	100%
Specific Gravity	2.0≈
Pot Life	30 minutes
Compressive Strength (@ 7 days)	≥ 25 MPa
Tensile Strength	≥ 7.0 MPa
Initial Setting Time	10 hours (at 23 C)
Full Cure	7 days (at 23 C)
Minimum Application Temperature	5 C

# WHITE SAND

Construction Chemicals

Construct your dream !

## Directions for Use

### Substrate Preparation

Surfaces to receive WHITE SAND EP 20 must be clean and well prepared, sound and free from any loosely adhering particles. Cement laitance, and all loose materials including dust, oil and grease must be removed to achieve a sound substrate.

Steel substrates should be properly grit blasted. Exposed steel surfaces may be protected by the application of the relevant primer.

### Mixing

Mixing of WHITE SAND EP 20 should be carried out with full packs only.

Pour the entire content of the hardener container into the base container and mix thoroughly with a mortar stirrer attached to slow speed drill for about half a minute.

Pour all the mixed liquid into a container then gradually add the filler bag during mixing, when the filler has been added, mix for a further 2 minutes until an even color is achieved.

### Application

Apply a thin layer of the adhesive onto the substrate using the flat edge of the trowel and Comb the adhesive with a suitable notched trowel horizontally to achieve a 2 - 6 mm bed thickness. Place the tiles with firm pressure to ensure proper contact with the adhesive.

For large-sized tiles, it is highly recommended to back butter the tile back surface with the adhesive to ensure full coverage.

Tiles should be placed within the open time of the adhesive.

### Cleaning

Clean all tools and mixing equipment immediately after job finishing. Hardened material will need to be removed mechanically.

### Packaging

8.0 kg pack.

### Storage and Shelf Life

WHITE SAND EP 20 components have a minimum 12 months shelf life when stored in a dry place and good warehouse conditions in unopened, undamaged original packaging. If stored at high temperatures and/or high humidity conditions, the shelf life may be reduced.

### Health and Safety

The three components of WHITE SAND EP 20 are non-flammable materials.

WHITE SAND EP 20 should not come in contact with skin or eyes. Avoid prolonged inhalation of vapors.

Some people are sensitive to epoxy resin, hardeners, and solvents. Gloves, goggles and barrier cream should therefore be used.

Ensure adequate ventilation, and if work in enclosed areas, suitable breathing apparatus is recommended.

If mixed material comes in contact with skin, it must be removed before it hardens with a resin removing cream or with soap and water. Do not use solvent. For prolonged irritation, seek medical advice.

In case of accidental eye contamination, wash well with plenty of clean water and seek medical advice.

If swallowed, seek medical attention immediately. Do not induce vomiting.

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.

