

## Technical Data Sheet

### White Sand Crack Filler

**High-performance, Non-structural  
Crack Filling and Repair Compound**

#### Product Description

WHITE SAND CRACK FILLER is a one-component, polymer-modified fine pre-mixed powder that is easily mixed with clean water to produce a creamy consistent paste.

WHITE SAND CRACK FILLER is used to fill and render surface shrinkage and static joints on plastered surfaces before leveling and smoothing before coating application.

It is formulated to fill and repair static cracks up to 4mm, blowholes, minor undulations, etc.

#### Features and Advantages

- Good workability, easy to apply.
- High bond strength.
- Suitable to be used in wet and dry conditions, onto the walls & ceilings such as bathrooms & kitchens.
- To be applied on concrete and plastered surfaces that are smooth and on precast concrete surfaces.
- Filling static cracks and holes with a smooth and durable finish.
- For interior and exterior use.
- Compatible with all types of decorative putties and paints.

#### Standard compliance

WHITE SAND CRACK FILLER complies with BS EN 1504, class R1.

#### Product Performance Properties

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Type                             | One-component pre-mixed cementitious powder |
| Color                            | White                                       |
| Mixing Ratio                     | 8.5 – 9.0 liters water/25 kg bag            |
| Wet Density                      | 1.8 kg/l approx.                            |
| Pot Life                         | 1 hour                                      |
| Setting Time                     | 7 – 10 hours                                |
| Suitable Crack Thickness         | ≤ 4.0 mm                                    |
| Bond Strength                    | ≥ 0.8 MPa (after 28 days)                   |
| Compressive Strength (ASTM C109) | ≥ 12.0 MPa (after 28 days)                  |
| Flexural Strength (ASTM C348)    | ≥ 1.6 MPa (after 28 days)                   |
| Chloride Ion Content             | ≤ 0.05 %                                    |

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#### Directions for Use

##### Surface Preparation

All substrates should be sound, clean, and free from any contaminations.

All loose material on the edges of the cracks should be properly removed.

If the crack is too fine, it must be broken to ascertain its actual width and depth.

##### Mixing

Add the powder of WHITE SAND CRACK FILLER slowly to the pre-measured quantity of clean water during mixing. It is recommended to use a mixing paddle attached to a slow speed electric drill. Mix for at least 2 minutes until the material becomes smooth in consistency and slump-free. Allow the material to saturate for about 5 minutes and re-mix again before the application process.

Mixed material should be used within its pot life.

Mix only quantities that can be applied within the pot life of the material.

##### Application

Moisten the surface slightly before applying WHITE SAND CRACK FILLER.

Apply WHITE SAND CRACK FILLER by Pressing the mixed material into the cracks using a spatula or a putty knife. Avoid the formation of cavities or air bubbles during application.

Level the surface with a putty knife to get a smooth surface. Apply putty or paint on top of WHITE SAND CRACK FILLER after it has completely dried out.

##### Cleaning

WHITE SAND CRACK FILLER should be removed from tools and equipment immediately after use and before the initial cure with clean water.

Hardened material can only be removed mechanically

##### Packaging

WHITE SAND CRACK FILLER is supplied in 25 kg bags.

##### Shelf Life and Storage

The original sealed packaging of WHITE SAND CRACK FILLER has a shelf life of 12 months when stored in a dry, shaded place and in good warehouse conditions, below 35 C.

##### Health and Safety

Using suitable protective gloves and goggles during handling and application is highly recommended.

Avoid unnecessary direct contact of skin or eyes with the material.

Accidental contact of WHITE SAND CRACK FILLER 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 CRACK FILLER is non-flammable and not classified as hazardous 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.

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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 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 Tilling 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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