

## White Sand ANTI-BF GROUT

Polymer-modified hygienic Cementitious Fine Tile Grout for Hospitals & Clinics

### Description

White Sand ANTI-BF GROUT is a single component cement-based, polymer-modified anti-microbial and water-resistant tile grout used with most types of tiles, including ceramic, porcelain, glass mosaic, marble, granite, etc. White Sand ANTI-BF GROUT is composed of a blend of cement, special additives, and selected fillers. Once mixed with water, the product becomes an easily workable creamy mortar. The product is suitable for internal and external use and contains special biocides that kill biological agents and prevent bacterial and algae growth.

### Uses and Key Functions

- Antimicrobial tile grout for hygienic areas.
- Health-related construction tiling such as kitchens, hospitals, clinics, health centers, and food processing plants.
- Filling tile joints virtually all types of tiles up to 10 mm.
- Wet areas such as kitchens, bathrooms.

### Features and Advantages

- Anti-microbial properties, eliminate the growth of microbes, algae, and fungi.
- Excellent stain resistance properties.
- Excellent mechanical and physical properties.
- Suitable for internal and external applications.
- Low water permeability.
- High abrasion resistance.

### Product Working Properties

Type	Pre-mixed cementitious powder
Color	White, and colored
Mixing Water	≈ 3.0 – 3.5 liters of clean water per 10 kg bag
Wet Density	1.8 kg/l≈
Pot Life	90 minutes
Initial Set Time	4 hours
Final Set Time	24 hours
Compressive Strength (ASTM C109)	≥ 15 MPa (after 28 days)
Flexural Strength (ASTM C348)	≥ 3.0 MPa (after 28 days)
Shore "D" Hardness	≥ 55

## Directions for Use

### Substrate Preparation

Before applying any load or pressure to the tile surface, check that all tiles are securely fixed and that the adhesive has thoroughly dried.

Ensure that all joints are raked clear of any excess adhesive residues to allow an even and consistent depth of grout to be applied. Do not leave water pooling in the joints.

Natural stone and un-glazed tiles are likely to absorption of grout fines and hence prone to surface discoloration.

Therefore, apply mixed grout to spare tile to determine whether staining is likely to occur.

Consult the tile manufacturers as to whether they recommend a suitable sealing compound to protect the surface.

### Mixing

White Sand ANTI-BF GROUT should be added to clean water in a clean container whilst mechanically mixing and stirring thoroughly to obtain a smooth, consistent, and easily workable mortar. Use the recommended mixing water and do not add more water than is necessary as this may prolong drying and significantly reduce the compressive strength of the cured grout. part-used grout should never be "freshened up" with later water additions, but should always be discarded once it appears to lose workability.

When grouting over a large area, ensure that all mixes are from the same batch and that a consistent and identical water addition is used for each mix.

### Application and Cleaning

Use a rubber squeegee, or smooth sponge to work the grout thoroughly and consistently into the tile joints. removing the excess material as work proceeds across the tiled area. Fine grout residues can be washed away with a lightly damp cloth or sponge up to 2 hours after application, with a final clean finish being achieved using dry cloth to polish the surface when the joints have dried and hardened.

### Yield and Coverage

The estimation of total grout quantity (kg) required for a particular total area being tiled (in meters squared) will depend on:

- Tile size (height and width in mm)
- Joint depth or tile thickness (in mm)
- Size of spacers between your tiles or joint width (the gap between each tile in mm)
- Coverage ratio of the grout, which is equal to (1.5) for White Sand ANTI-BF GROUT .
- Total area being tiled (in meters squared)
- To estimate the required quantity of grout, use the following calculation:

$$A \text{ (amount of grout (kg)/M2)} = (\text{Tile Height (length)} + \text{Tile Width}) \times \text{Joint Width} \times \text{Joint Depth} \times 1.5 \\ \text{Tile Height (length)} \times \text{Tile Width}$$

$$\text{Approximate total grout (kg) required} = A \times \text{Total area being tiled.}$$

### Storage and Shelf Life

White Sand Tile Grout has a minimum shelf life of 12 months when stored in dry warehouse conditions, in unopened and undamaged bags, in ambient temperature between 5 C to 35C.

### 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 ANTI-BF GROUT 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 ANTI-BF GROUT 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 technical support to its customers, consultations and technical guidance and assistance in many different applications of construction chemicals, tile adhesives and tile grouts selection, concrete repair systems, and waterproofing systems.

### 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.
- Industrial 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.

