

## White Sand Bond

Polymer-based bonding agent and cement modifier

### Description

WHITE SAND BOND is ready to use, polymer-based bonding agent and cement-based mixes modifier.

### Uses and Key Functions

WHITE SAND BOND is used as an Integral bonding agent and modifier for cement-based mixes and mortars, such as tile adhesives, plaster, repair mortars, and screeds.

Works as an admixture with plaster, lime/sand cement screeds, renders, and cement-based mortars.

Works as a bonding agent and can be sprayed or brushed on green substrates to improve the bonding of plasters, and patching compounds.

WHITE SAND BOND is used for both internal and external applications.

### Features and Advantages

- It can be used as a bonding agent & admixture.
- Improves Adhesion to substrates.
- Reduces shrinkage & cracks.
- Reduces bleeding of cement mixes.
- Easy to use.
- Multipurpose usage.
- Enhances bonding of plaster, sand/cement screed, renders, etc.
- Improves hydration & curing when added to cement-based mixes.
- It adheres well to various construction materials, including concrete, stone, etc.

### Product Performance Properties

Type	Formulated copolymer Emulsion
Color	Milky white liquid
Density @ 25 C	1.01 ± 0.01 kg/l
Solid Content	9.0 ± 1.0 %
pH @ 25 C	5 - 7
VOC Weight%	0.1 Approx.

BOND. Mix for not more than 2 minutes to avoid excessive air entrainment.

Add water carefully until the required consistency is achieved.

## Application Instructions

### Surface Preparation

Clean the surface well and free it from loose materials. Eliminate inconsistent parts, varnishes, grease, laitance, and algae through sandblasting or brushing before applying WHITE SAND BOND.

### Application

WHITE SAND BOND is used directly from the drum, no mixing is required, but drums should be shaken or stirred before use.

WHITE SAND BOND can be used as an admixture, and bonding agent.

### As Admixture

WHITE SAND BOND can be used as a total or partial replacement of gauging water required for plaster & render mixes.

In case of partial addition as an admixture, add 3 parts WHITE SAND BOND to 1 part water.

Add WHITE SAND BOND to pre-blended sand/cement-based plaster, render, mortar, or other dry mixes.

Mix for 2 minutes using a mechanical mixer at low speed.

Let the mixture stand for 5 minutes and mix again briefly to achieve a homogeneous lump-free mixture.

### As Bonding Agent

Use neat WHITE SAND BOND without dilution.

Apply WHITE SAND BOND using a brush or spray directly onto the substrate. If using a hand pump, spray at a rate of 4-6 m<sup>2</sup>/liter.

While the bonding agent is wet to tacky, immediately apply plaster, screed, render, mortars, etc.

Note: WHITE SAND BOND should remain tacky when applying topcoat finishes.

### Mixing

Preferably in a pan mixer but hand batching is permissible when the total weight of mix is less than 20 kg.

Charge the mixer with the required quantity of cement-based mortar and pour in the required quantity of WHITE SAND BOND. Mix for not more than 2 minutes to avoid excessive air entrainment.

Add water carefully until the required consistency is achieved.

### Curing

To achieve the desired performance and results, correct curing of WHITE SAND BOND modified mixes is highly recommended, moisture cure for at least 1 day, and then allow to dry out slowly.

### Cleaning

Clean tools with water before hardening. Hardened material can only be removed mechanically.

### Watch Points

- Always use fresh cement and well-graded aggregate free of excessive fines.
- Keep mixing time to a minimum.
- modified mixes are deceptive in their workability. Avoid using excess water.
- Troweling should proceed with the work. Do not over-trowel and avoid re-troweling.
- Protect from too rapid drying out before troweling.

### Packaging

WHITE SAND BOND is supplied in 20 Liters, and 5 liters drums.



#### Storage and Shelf Life

WHITE SAND BOND has a minimum 12-month shelf life when stored in the original sealed container, in good warehouse conditions away from direct sunlight in ambient temperatures below 35 C.

#### Safety Precautions

WHITE SAND BOND is a non-flammable material.

WHITE SAND BOND is not classified as a hazardous material under current legislation.

Unnecessary contact with the product is to be avoided and suitable gloves and goggles must be worn.

Accidental contact of White Sand Bond 2 to the skin or eyes should be washed off with clean water.

In the event of prolonged irritation, seek medical advice.

#### 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 highly quality-oriented Product Development processes, and an independently standardized Quality Management System.

#### Technical Support

WHITE SAND provides technical support to its customers, consultations technical guidance, and assistance in many different applications of construction chemicals, tile adhesives, and tile grout 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:

- Surface Treatments and Primers.
- Concrete Repair Compounds.
- Industrial Flooring Systems.
- Cement Modifiers for Mortars.
- Waterproofing Materials.
- Plasters and Finishing Materials.
- Adhesives and Tiling Systems.
- 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.



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