

Technical Data Sheet

White Sand FIX LB

**Light-weight Block Cementitious
Adhesive Mortar**

Product Description

White Sand FIX LB is a high quality, polymer-modified cementitious Adhesive Mortar formulated to be mixed with clean water to provide a high performance and easy workable thin-bed adhesive mortar for laying and fixing aerated blocks and other similar masonry blocks and units. White Sand FIX LB 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 White Sand FIX LB were carefully selected to enhance the key mechanical properties and thermal insulation of the product and provide the most effective application properties.

Advantages

- Good application properties and superior workability.
- High bond strength.
- Shrinkage Resistant.
- Slump-free consistency, no sagging.
- Suitable for hot climate conditions.

Standard compliance

White Sand FIX LB complies with EN 12004 as C2.

Product Performance Properties

Color	White and Grey premixed cementitious powder
Mixing Water	≈ 5 liters of clean water per 20 kg bag
Pot Life	1.7 kg/l≈
Wet Density	90 minutes
Open time	20 minutes
Adjustability	10 – 15 minutes
Tensile adhesion strength (EN 1348)	≥ 1.0 MPa (after 28 days)
Shore "D" Hardness	≥ 50
"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.**

Technical Data Sheet

White Sand FIX LB

**Light-weight Block Cementitious
Adhesive Mortar**

Directions for Use

Substrate Preparation

The light weight blocks should be cleaned using a brush to remove any dust or loose particles. The suction of the blocks should be neutralized by applying clean potable water on them. Free water on the surface should be allowed to disperse before applying White Sand FIX LB .

Mixing

White Sand FIX LB should be added slowly to about 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. Allow the material to saturate for 5 – 10 minutes before use. Do not add water to the adhesive mortar mixture once the mixture starts to harden.

Application

The mixed adhesive mortar of White Sand FIX LB is applied to the prepared block surface with trowel and then combed through a suitably sized serrated trowel in straight rips to give ribbed adhesive bed. After applying White Sand FIX LB and within the open time, lay the block and push into the mortar to form vertical uniform joints with minimum gap.

Curing

For most ambient conditions, no special curing is required. In fast drying conditions, such as dried sun or worm strong winds, mist spray should be applied 3 – 4 times a day for at least 3 days.

Cleaning

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

Packaging

20 kg paper bags.

Yield

The 20 kg bag of White Sand FIX LB mixed with 5 kg of clean water yields in approximately 14 liters of mortar mixture.

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

White Sand FIX LB 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.

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 FIX LB 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 FIX LB 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.

Technical Data Sheet

White Sand FIX LB

**Light-weight Block Cementitious
Adhesive Mortar**

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**
- **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.



White Sand Co. for Industry

 Jeddah, Saudi Arabia

 info@whitesand.sa

 www.whitesand.sa

