

Technical Data Sheet

White Sand MASONRY MIX

Premixed Cement-based Masonry Mortar

Product Description

WHITE SAND MASONRY MIX is a cement-based mortar comprising hydraulic binders, selected aggregates, and high-performance additives.

WHITE SAND MASONRY MIX is a premium quality product that contains a special adhesion additive.

WHITE SAND MASONRY MIX is supplied as a dry powder in pre-weighed bags ready to use on-site, which requires only the addition of clean water to produce cohesive mortar that can be applied in thickness from 5 mm to 50 mm.

Advantages and Key Functions

- For cement and concrete blocks and panels.
- For filling walls and joints.
- For interior and exterior use.
- For wet and dry conditions, onto block walls and rough surfaces.
- Strong adhesion on a variety of concrete Blocks.
- Strong bond in blocks and wall connections.
- Suitable for humid and dry conditions.
- Suitable for harsh weather conditions.

Standard compliance

- ASTM C109 (Compressive Strength)
- ASTM C348 (Flexural Strength)
- ASTM C270 (Standard Specification for Mortar for Unit Masonry)
- ASTM C780 (Standard Test Method for Mortar for Unity Masonry)

Product Performance Properties

Type	Pre-mixed, Type N Masonry Mortar
Color	Grey
Wet Density	≈ 1.9 kg/liter
Pot life	1 hour @ 23 C
Set time	4 hours @t 23 C
Compressive Strength (ASTM C109)	≥ 6 MPa (after 28 days)
Flexural Strength (ASTM C348)	≥ 3 MPa (after 28 days)
Air Content	≤ 16 %
VOC content	> 5.0 g / liter
Chloride Content	Nil
Reaction to Fire (EN 13501-1)	Class A1

*** Values are valid at ambient temperature of 23 C, and 55% Relative Humidity.**

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Directions for Use

Substrate Preparation

The block wall surface should be sound, clean, and free from loose material, grease, laitance, dirt-curing compounds, etc.

Before application, wet the entire surface with clean potable water, and the surface should look damp at the time of WHITE SAND MASONRY MIX application.

Mixing

Add to the mixing container 7 - 10 liters of water for each 50 Kg bag of Masonry Mortar. Add the powder to the water

and mix with a mechanical plaster mixer or low-speed electric drill fitted with a suitable paddle for 3-4 minutes until

achieving a uniform, lump-free consistency.

Leave the mixed material to stand for 10 min and brief-

Application

Neutralize the suction of the block surface with water before applying mortar.

Remove any excess water.

Spread WHITE SAND MASONRY MIX with a trowel on the surface and joints where the blocks are mounted. Fill the joint in a similar way as conventional sand / cement mortar.

After stiffening, give the WHITE SAND MASONRY MIX a final smoothing to remove protrusions and eliminate undulations.

Cleaning

Clean all tools immediately after job is finished.

Hardened material will need to be removed mechanically.

Packaging

50 kg paper bags.

Yield and Coverage

Coverage: 50 kg bag / Linear Meter (L.M):

- 15 (L.M) / 10 mm thickness

(Solid block 400 x 200 x 200 mm).

- 22 L.M / 10 mm - (Solid block 400 x 200 x 150 mm).

- 31 L.M / 10 mm - (Solid block 400 x 200 x 100 mm).

Stated consumption data are for general guidance.

Actual consumption depends on the substrate's nature, application method, and wastage.

Storage and Shelf Life

WHITE SAND MASONRY MIX has a minimum 12-month shelf life when stored in a dry, shaded place.

In an 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 MASONRY MIX 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 MASONRY MIX is a non-flammable and not classified as a hazardous material 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 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.



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