

Technical Data Sheet

WHITE SAND PLASTER MIX

**Ready-to-use Cement-based Plaster
for Interior and Exterior Use**

Product Description

White Sand Plaster Mix is a dry-mix, pre-blended, polymer-modified cementitious mortar formulated to be mixed with a controlled amount of water to produce a high-performance plaster material for internal and external applications.

White Sand Plaster Mix is designed to provide the most effective application properties, and the best desired surface finish.

Standard Compliance

- ASTM C926
- ASTM C150

Product Performance Properties

Color	White, and Grey
Wet Density	≈ 5.0 liters per 20 kg bag
Mixing Ratio	≈ 1.6 kg/liter
Setting Time	3 - 5 hours
Pot life	1 hour
Compressive Strength @ 28 days (EN 1015-11)	> 7 MPa
Flexural Strength @ 28 days (ASTM C348)	>1.9 MPa
Adhesion @ 28 days (EN 1015-12)	>0.4 MPa
Capillary Water Absorption (EN 1015-18)	≤0.3 kg/m ²
Reaction to Fire (EN 13501-1)	Class A1

Surface Preparation

The surface should be sound and free from any contaminants. Clean down the substrate to remove dust, dirt or any other matter impairing White Sand Plaster Mix bond. Ensure that the surface is damp before applying White Sand Plaster Mix.

Advantages and Key Functions

- Excellent application properties.
- High bond strength.
- High workability, easy to apply.
- High Durability.
- Excellent mechanical properties.
- Compatible with all decorative finishes.
- For vertical, horizontal, and overhead applications.
- For interior and exterior use.
- Suitable for hot climate conditions.

Mixing

Consistency of the mixed product is dependent largely on the amount of mixing-water used. The standard value is about (4.0 – 5.0 liters) of water per 25 kg bag, and (8.0 – 10.0 liters) of water per 50 kg bag.

White Sand Plaster Mix must be added slowly to the water during the mixing process which should be carried out using a slow-speed drill fitted with a high shear mixing paddle. Mixing should remain for at least 3 minutes until the material becomes homogeneous and even in consistency. Mixed plaster should be used within its pot life. Mix only quantities that can be applied within the pot life. Hard and set mortar should not be re-mixed or used again.

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Application

The mixed White Sand Plaster Mix can be applied by traditional hand application or by modern plastering machines (spiral pump) to increase productivity at the site.

In case of hand application, place and compact the plaster into the substrate surface using a steel trowel in thickness between 1.5 mm to 15 mm applied in layers.

Trowel into place and allow the material to stiffen before the next lift.

Finishing

Finish the applied mortar to match the surrounding area using wooden or plastic floats.

Do not use water during the finishing stage, use only damp sponge if required.

Curing

Under normal conditions, high bond strength can be achieved by moistening the applied surface for 2 days to permit continuous hydration of the cementitious materials. Under high temperature and dry conditions or strong wind, it is recommended to fine spray periodically the applied surface with water for additional 2 days.

Cleaning

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

Packaging

25 kg paper bags.

50 kg paper bags.

Yield and Coverage

The coverage of White Sand Plaster Mix is approximately 1.6 kg/m² @ 1 mm thickness.

This consumption data is for general guidance.

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

Storage and Shelf Life

White Sand Plaster Mix 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 with the material.

Accidental contact of WHITE SAND PLASTER 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 PLASTER MIX 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.

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

Technical Support

WHITE SAND assists 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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