

Technical Data Sheet

White Sand Floor EP 100

High-built, Solvent-free, Epoxy
Flooring Coating

Product Description

White Sand Floor EP 100 is a two-component high-built epoxy floor coating with medium viscosity.

White Sand Floor EP 100 provides smooth surface finish in a range of colors.

It has excellent abrasion and chemical resistance, and provides a heavy-duty coating for floors, which will withstand many years of traffic.

Features and Advantages

- High-built applications properties.
- Excellent chemical resistance.
- Excellent abrasion resistance.
- High compressive strength.
- Available in many colors.
- Can be made anti-slip for wet areas.
- Smooth, and easy to clean.

Product Working Properties

Type	Solvent-free epoxy-based floor coating
Color	Range of colors
Mixing Ratio	100 %
Solid Content	Factory proportioned
Specific Gravity	1.45 W/L
Recommended film thickness	2 coats, 200 microns each
Pot Life	40 minutes (at 23 C)
Cure Time: Dry to touch	8 - 10 hours
Recoat	8 - 36 hours
Full Cure	7 days

Directions for Use

Substrate Preparation

All surfaces to receive White Sand Floor EP 100 must be structurally sound, flat, dry, clean and free from any surface contaminants.

Proper surface preparation is an extremely important factor in the immediate and long-term successful performance of applied epoxy floor coating.

Any surface irregularities or damage should be repaired. New concrete floors should be at least 4 weeks old and have moisture content of not more than 5 %.

Uses and Key Functions

- Chemical plants.
- Pharmaceutical plants.
- Hospitals.
- Aircraft hangars.
- Laboratories.
- food processing plants and slaughterhouses.
- Restaurants.
- Power plants, turbine area, etc.
- Offices and corridors.
- Commercial kitchens.

Priming of good quality and sound concrete substrate is not normally required for low strength and friable concrete surfaces.

It is recommended to use solvent free epoxy-based primer to consolidate the base.

Steel substrates should be grit blasted, followed by the application of one coat of relevant primer.

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Mixing

It is important to remember that this product has a limited pot life.

Therefore, it is recommended to check and make sure that everything is in order before starting the mixing sequence.

Mixing of White Sand Floor EP 100 is recommended to be carried out with full packs only.

Pour the entire content of the hardener container into the base container (the base container is oversized to allow for easy mixing).

Mix thoroughly with a low speed jiffy until completely blended. This will take about 2 to 3 minutes.

Be careful not to introduce air bubbles while mixing.

Make sure the contents are completely mixed to avoid any weak or partially cured spots in the coating.

During the mixing operation, scrap down the sides and bottom of the container to ensure complete mixing.

Mix only that quantity that can be used within the pot life.

Application

Apply the mixed White Sand Floor EP 100 uniformly to the prepared surface using a short-napped mohair roller at spread rate of 5 m²/liter to yield 200 microns thickness. Take care not to puddle materials, and ensure even coverage. Allow to cure for 24 hours minimum before opening to traffic. Apply Note: epoxy materials will appear to be cured and dry-to-touch prior to full chemical cross-linking. Allow epoxy to cure 6 – 7 days prior to exposure to water or other chemical for best performance.

To ensure proper system cure and performance, do not mix part packs and do not add solvent at any stage.

Anti-slip Surface

Apply the first coat of White Sand Floor EP 100.

While the coat is still wet, a selected grade of aggregate is sprinkled onto the coat by any suitable broadcasting method at the rate of 1 kg/m².

Excess of aggregate can be used if required to facilitate a good coverage of the substrate.

Use of spiked shoes is advised while broadcasting the aggregate allow the base coat of White Sand Floor EP 100 with aggregate to cure then remove all loose material by either sweeping, or preferably vacuum cleaning.

Apply the second coat of White Sand Floor EP 100 and draw down the coat until the desired surface texture is obtained.

Cleaning

Tools and mixing equipment should be cleaned with WHITE SAND Hot Thinner Set material can only be removed mechanically.

Packaging

15 Kg Drum (A+B)

Coverage

15 Kg Drum liters pack of White Sand Floor EP 100 covers 10.0 m² in 2 coats of 200 microns each. This is an approximate spread rate given for estimating purpose only.

Storage and Shelf Life

White Sand Floor EP 100 components have a minimum shelf life of 12 months when stored in dry warehouse conditions, in unopened and undamaged original packaging.

If stored in high temperatures, and/or high humidity conditions, the shelf life may be reduced.

Health and Safety

The two components of White Sand Floor EP 100 are non-flammable materials. White Sand Floor EP 100 should not come in contact with skin or eyes. Avoid prolonged inhalation of vapors. Some people are sensitive to epoxy resin, hardeners, and solvents. Gloves, goggles and barrier cream should therefore be used. Ensure adequate ventilation, and if work in enclosed areas, suitable breathing apparatus is recommended. If mixed material comes in contact with skin, it must be removed before it hardens with a resin removing cream or with soap and water. Do not use solvent. For prolonged irritation, seek medical advice. In case of accidental eye contamination, wash well with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately. Do not induce vomiting. 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 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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