WHITE SAND
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White Sand Floor EP 100

High-built, Solvent-free, Epoxy-based Flooring Coating

Description

White Sand Floor EP 100 is a two-component high-built epoxy-based 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.

Uses and Key Functions

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

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
Solid Content		100 %
Mixing Ratio		Factory proportioned
Specific Gravity		1.65
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

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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 %.
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.

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 week 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 buddle 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.

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Cleaning

Tools and mixing equipment should be cleaned with WHITE SAND Solv 10 before the material has hardened.
Set material can only be removed mechanically.

Packaging

4.0 Liters pack.

Coverage

4.0 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 technical support to its customers, consultations and technical guidance and assistance in many different applications of construction chemicals, tile adhesive and tile grouts selection, concrete repair and surface preparation and treatments.

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.
- Surface Treatments and Primers.
- Concrete Repairs and Grouts.
- Waterproofing Systems.
- Finishing Systems.
- Industrial Flooring Systems.
- Plasters and Renders.
- Cement Modifiers and Mortar Admixtures.
- Protective Coatings and Linings.