

WHITE SAND EP200

Chemical-resistant, Epoxy-based Protective Coating for Concrete and Steel

Description

WHITE SAND EP200 is a two-component, self-priming, low viscosity, solvent-containing epoxy coating formulated to provide a durable coating suitable for application to both vertical and horizontal surfaces.

WHITE SAND EP200 cures to form a smooth hygienic film with good resistance to a wide range of acids, fats, alkalis, and oils.

Uses and Key Functions

- Protective coating in chemical process areas.
- Protective coating for ferrous metals.
- Protection of foundations in wash water treatment areas.

Features and Advantages

- Easy to apply.
- Self-priming.
- Suitable for non-potable and salt water.
- Design for corrosive environments.

Product Working Properties

Type	Solvent-containing epoxy-based protective coating
Solid Content	60 % (volume)
Mixing Ratio	Factory proportioned
Recommended wet film thickness (WFT)	100 microns per coat
Recommended dry film thickness (DFT)	120 microns per 2 coats
Pot Life	50 minutes (at 23 C)
Cure Time: Dry to touch	8 - 10 hours
Recoat	8 – 24 hours
Full Cure	7 days (at 23 C)
Coverage	7 days (at 23 C)

Directions for Use

Substrate Preparation

All surfaces to receive WHITE SAND EP200 should be structurally sound, flat, dry, clean and free of surface contaminants.

Proper surface preparation is an extremely important factor in the immediate and long-term successful performance of applied WHITE SAND EP200 .

Any surface irregularities or damage should be repaired using one of the WHITE SAND Repair materials.

For surface cracks and minor surface damage, WHITE SAND Epoxy-based putty is recommended.

Concrete must be at least 4 weeks old and has moisture content of not more than 5%.

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

Mixing

It is important to remember that this coating 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 EP200 should 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 blade for 3 minutes until the material becomes uniform and even in color. To ensure proper system cure and performance, do not mix part packs and do not add solvent at any stage.

Application

Apply the mixed WHITE SAND EP200 uniformly to the prepared surface using brush or lambs-wool roller at spread rate of 10 m²/liter to yield 100 microns WFT.

Apply the second coat as soon as the first coat has initially dried.

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.

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 EP200 covers 20 m² in two coats of 100 microns each.

This is an approximate spread rate given for estimating purpose only.

Storage and Shelf Life

WHITE SAND EP200 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 EP200 are flammable material. Do not expose to naked flames or other sources of ignition. Containers should be tightly sealed when not in use. In the event of fire, extinguish with carbon dioxide or foam. WHITE SAND EP200 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.

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

- Surface Treatments and Primers.
- Admixtures for Concrete.
- Cement Modifiers for Mortars.
- Adhesives and Tiling Systems.
- Concrete Repair Compounds.
- Waterproofing Materials.
- Protective Coatings and Linings.
- Industrial Flooring Systems.
- Plasters and Finishing Materials.

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.

