

Technical Data Sheet

White Sand EP150

Epoxy potable tank, Solvent-free

Product Description

WHITE SAND EP150 :

A strong coat EP150 is a two component 100% solid, Solvent free epoxy coating suitable for concrete and steel Tank protection in aggressive chemical conditions like industrial pavements, reinforced concrete, metallic structures, process plants and sewage works. Once it is cured, the product transforms into a continuous anti dust membrane that is resistant against chemicals, and abrasion.

Features and Advantages

- High-built applications properties.
- Excellent abrasion resistance.
- Available in many colors.
- Self-priming.
- Smooth, and easy to clean.
- Thixotropic, Slump-free.

Uses and Key Functions

- Suitable for general applications as a coating for floor, and wall.
- Potable water retaining structures.
- Silos and reservoirs of food storage
- Water treatment stations.
- Excellent resistance easy to clean.

Physical Constants:

Type	Solvent-free epoxy-based coating
Color	Blue, and white
Solid Content	100 %
Density (ASTM D 1475) kg/liter @ 25°C	1.40 ± 0.05
Mixing Ratio	Factory proportioned
Recommended film thickness	2 coats, 200 microns each
Pot Life	1 hour
Cure Time: (@ 23 C):	
Dry to touch	6 - 8 hours
Recoat	8 - 24 hours
Full Cure	7 days @ 23 C
Bond Strength (ASTM D4541)	≥ 2.0 N/mm ² (@ 7 days)

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Directions for Use

Substrate Preparation

The substrate should be structurally sound, clean, and free from dust, oil, and any traces of foreign materials that may affect adhesion.

Suitable mechanical methods such as grinding, sand/grit blasting, acid etching, or any equivalent method should be used to remove any existing old coating or surface treatments such as curing compounds. All cracks and spalled concrete should be repaired using the WHITE SAND Repair System.

Blow holes and surface imperfections should be repaired using Epoxy-based putty White Sand EPF 50. Steel substrates should be grit blasted, followed by the application of 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 EP150 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 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 with a flat or straight edge trowel at least once to ensure complete mixing.

Application

Priming: White Sand EP150 is formulated to be used without primer, if the substrate is highly porous, apply epoxy-based primer White Sand Prime EP100.

Apply the mixed WHITE SAND EP150 uniformly to the prepared surface using a short-napped mohair roller, brush, or airless spray at a spread rate of 0.4 liter/m² to yield 200 microns thickness per coat.

Take care not to puddle materials, and ensure even coverage. Two coats of White Sand EP 150 are recommended to achieve a total thickness of 400 microns.

Allow the first coat to dry, and apply the second coat within the re-coat able time.

Adequate ventilation should be provided to ensure that necessary drying and curing are achieved.

Cleaning

Tools and mixing equipment should be cleaned with WHITE SAND SOLV10 before the material has hardened. Set material can only be removed mechanically.

Storage and shelf life

WHITE SAND EFS 50 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.

Packaging

12 kg pack, 3 kg pack. (A+B) 15 kg

Coverage

5.0 m²/kg coat for a layer-thickness of 200 microns. This is an approximate spread rate given for the estimating purpose only.

Storage and Shelf Life

WHITE SAND EP150 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 EP150 are non-flammable materials

WHITE SAND EP150 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 working in enclosed areas, a 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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