

White Sand REP EP150

Epoxy-based Structural Repair Mortar

Description

White Sand REP EP150 is a three-component, self-priming, solvent-free epoxy-based mortar, formulated to provide a permanent structural concrete repair mortar with high chemical properties and excellent abrasion resistance. White Sand REP EP150 is supplied in pre-weighed quantities ready for on-site mixing for use.

Uses and Key Functions

- Repair of spalled concrete beams, columns, panels, and piers.
- Repair of reinforced concrete without adequate cover to reinforcement.
- Filling holes and leveling worn and damaged surfaces.
- Patch repair to existing epoxy resin mortars.

Features and Advantages

- Good workability, easy to mix and apply.
- Strong adhesion to concrete, steel, and masonry.
- Impervious finish; high resistance to chemicals and water absorption.
- Excellent resistance to mechanical damage.

Product Working Properties

Type	Solvent-free epoxy-based mortar
Solid Content	100 %
Mixing Ratio	Factory proportioned
Application Thickness	5.0 – 50.0 mm (horizontal) 5.0 – 15.0 mm (vertical)
Pot Life	45 minutes (at 23 C)
Initial Setting	20 hours (at 23 C)
Full Cure	7 days (at 23 C)
Coverage	5 m ² /liter at 200 microns

WHITE SAND

Construction Chemicals

Construct your dream !

Directions for Use

Substrate Preparation

All surfaces to receive White Sand REP EP150 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 REP EP150 .

Priming

Priming of the substrate is an essential step in the application of White Sand REP EP150 .

It is recommended to use the relevant White Sand Primer System, which is solvent containing epoxy based, and compatible with White Sand REP EP150 .

To prime the surface, mix part (A) with part (B) well. Use stiff brush to apply mixed primer in a thin continuous film to the concrete surface. It is essential to apply the mixed White Sand REP EP150 when the primer coat is still tacky. Steel substrates should be grit blasted properly, and followed by the application of relevant epoxy-based primer.

Mixing

Check that the surface preparation is complete.

Mix White Sand REP EP150 by pouring the entire content of the (hardener) container into the (base) container and mix thoroughly for about 2 minutes. Then add about half of the contents of the aggregate bag to a forced action or a Crete angle mixer (or jiffy mixer fixed to slow speed hand mixer) and begin mixing.

Whilst the aggregates are being blended, add the previously mixed White Sand REP EP150 binder into the aggregate mix and drain completely from the base container. Add the remaining aggregate to the mixing drum or pan and mix for approximately 2 to 3 minutes until the mortar is thoroughly mixed.

Application

Apply the mixed White Sand REP EP150 to the prepared substrate by wood float, pressing firmly into place to ensure positive adhesion and full compaction. Thoroughly compact the mortar around any exposed reinforcement. Finish the surface with a steel trowel.

White Sand REP EP150 can be applied in sections not less than 5 mm and up to 50 mm thickness in horizontal locations, or up to 15 mm thickness in vertical locations in a single application and without the use of form work.

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

10.0 Liters pack.

Storage and Shelf Life

White Sand REP 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 three components of White Sand REP EP150 are non-flammable materials

White Sand REP 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 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.

