

WHITE SAND EP SL15

Self-smoothing Epoxy-based Floor Topping, 3 – 5 thickness

Product Description

WHITE SAND FLOOR EP SL 15 is a multi-component high-performance, solvent-free, self-smoothing epoxy flooring system that flows in a light oil-like manner to self-smoothen to a perfect level. Once cured, the product has excellent abrasion and chemical resistance. WHITE SAND FLOOR EP SL 15 provides an attractive, hard-wearing, and easily cleanable floor finish. Its use on floors will enhance the lighting in the environment due to the product's reflective properties.

Uses and Key Functions

- Hard wearing, durable with low maintenance cost.
- High abrasion and chemical resistance.
- Hygienic, impervious, and easily cleanable.
- Self-smoothing properties provide a flat high gloss finish.

Uses

- Industrial kitchens and food processing plants.
- Vehicle factories and car parks.
- Clean rooms and laboratories.
- Heavy-duty applications, turbine rooms, armories, and hangers.
- Pharmaceutical manufacturing areas.
- Any flooring where impact-resistant is important.

Product Performance Properties

Solid Content	100 %
Mixing Ratio	Factory Proportioned
Specific Gravity	2.0
Application Thickness	3.0 – 5.0 mm
Pot Life	60 minutes at 23 C
Initial Setting	16 hours at 23 C
Full Cure	7 days at 23 C
Compressive Strength (ASTM C579)	≥ 45.0 MPa
Flexural Strength (ASTM C580)	≥ 20.0 MPa
Tensile Strength (ASTM C307)	≥ 19.0 MPa

Directions for Use

Substrate Preparation

The surface should be sound, clean, free from loose material, grease, laitance, dirt curing compound, etc. Laitance and weak surface layer shall be removed using mechanical methods such as grinding or blasting to provide a sound, well-profiled surface. Repair all necessary before application by using epoxy mortar.

New concrete floors shall be at least 28 days old with a moisture content of less than 5% (shall earlier application be required testing of substrate for moisture conditions shall be made).

Priming

WHITE SAND FLOOR EP SL 15 should be primed with a relevant primer which designed for maximum absorption and adhesion to concrete substrates.

Add the entire content of the hardener tin to the base tin and mix the two primer components thoroughly for at least 2 minutes - only mix full packs. Once mixed, apply the primer immediately to the prepared substrate using stiff brushes and/or rollers. The primer should be well 'scrubbed' into the substrate to ensure full coverage, take care to avoid over-application or 'ponding.' Allow the primer to dry before proceeding to the next stage, do not proceed whilst the primer is 'tacky' as this will lead to unsightly marks in the finished surface. Porous substrates may require a second primer coat - when the first coat is directly absorbed into the substrate - but observe minimum over-coating time.

Mixing

WHITE SAND FLOOR EP SL 15 is supplied in three pre-weighed packs (base, hardener, and aggregate), ready for immediate on-site use. Part mixing of these components is not acceptable and will affect both the performance and appearance of the finished floor. Mixing should be carried out using either a forced action mixer; or a heavy-duty mobile mixer fitted with a jiffy type mixing paddle. The components should be mixed in a suitably sized mixing vessel. Stir the base and hardener components individually, then empty them into the mixing vessel scrapping the edges and mix for 2 minutes. The contents of the graded aggregate pack should be slowly added and mixing carried out for a further 3 minutes until obtaining a completely homogeneous material.

Placing

Ensure sufficient labor and materials to make the mixing and subsequent application process a continuous one for any given, independent floor area. Once mixed, pour the material immediately on the floor and spread before aggregate settlement occurs. Pour the material onto the prepared and primed substrate as soon as mixing is complete. Spread to the required thickness using a notched trowel or a gauged spreader, with care taken not to overwork the resin, spreading evenly and slowly. After laying, roll the material immediately, using a spiked nylon roller to remove slight trowel marks and assist air release. Use a 'back and forth' technique along the same path for rolling. An overlap of 50% with adjacent paths is recommended. Further light rolling may be required to remove surface imperfections or for subsequent release of trapped air but should be before the setting of the product.

Floor Joints

Follow all existing expansion or movement joints through the new floor surface.

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

15 Kg Kit.

Coverage

15 liters kit of WHITE SAND FLOOR EP SL 15 covers 5.0 m² at 3 mm thickness. This is an approximate spread rate given for estimating purpose only.

Storage and Shelf Life

The original sealed kit of WHITE SAND FLOOR EP SL 15 has a shelf life of 12 months, provided it is stored clear of ground in a dry and shaded place below 35°C

Health and Safety

It is highly recommended to use suitable protective gloves and goggles during handling and application, and to avoid unnecessary direct contact of skin or eyes to the material.

Accidental contact of WHITE SAND FLOOR EP SL 15 to the skin should be washed off immediately with soap and clean water. Eye Irritation or Contact should be washed off immediately with copious amount of clean cold water.

For prolonged irritation, seek medical advice.

WHITE SAND FLOOR EP SL 15 is a non-flammable and not classified as a hazardous material under current legislations. 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 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.
- 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.

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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