

White Sand Floor SL100

Cementitious floor levelling compound, 02 - 10 mm thickness

Product Description

White Sand Floor SL100 is a thick layer self-smoothing, one-part cementitious flooring compound for new and reinstatement applications.

White Sand Floor SL100 is a ready-mixed blend of hydraulic cement-based materials, graded aggregates, flowing agents and special polymeric additives.

White Sand Floor SL100 is ready to be mixed with controlled amount of water to yield a flowing, self-smoothing compound.

Uses and Key Functions

- Levelling and repair of uneven concrete.
- Underlayment for floor covering materials as ceramic tiles, carpets, etc.
- Heavy traffic floors.

Product Performance Properties

Appearance	Pre-mixed cementitious grey powder
Mixing Water	Approx. 4.7 L / 20 kg bag
Wet Density	2.0 kg/L
Pot Life (Flow Time)	20 minutes at 23 C
Compressive Strength	≥ 40 MPa (after 28 days)
Flexural Strength	≥ 4 MPa (after 28 days)
Setting Time (Foot traffic)	18 hours at 23 C
Application Thickness	Maximum: 35 mm
Coverage	1 m ² / 20 kg bag at 10 mm thickness

Directions for Use

Substrate Preparation

Ensure the concrete substrate is clean and free from oil, grease, sealers, curing compounds, paints, polymer coatings, dust or other foreign (bond breaking) matter. Excess bitumen, adhesive or laitance should be removed by mechanical captive shot blasting or grinding, followed by vacuum cleaning to remove debris and dust. Any necessary repairs should be carried out using White Sand Concrete Repair System.

surface priming

New concrete floors must be at least 14 days old prior to application of White Sand Floor SL100.

With the use of stiff brush, broom or roller, the substrate must be primed with White Sand Primer System prior to carrying out application. Primer must be dry but sticky during the application of White Sand Floor SL100.

If a second coat is required, allow the first coat to dry prior to application of consecutive coat.

Apply primer at 5-7 m²/ liter

Do not apply White Sand Floor SL100 to un-primed surface. Do not allow dust film to cover the primed area prior to application of White Sand Floor SL100. If this occurs the area must be re-primed with White Sand Primer System prior to proceeding with application of White Sand Floor SL100

For application of White Sand Floor SL100 to non- porous substrates contact White Sand technical office for priming specification.

Mixing

White Sand Floor SL100 requires 4.7 liters of cold water per 20 kg bag and is best mixed with a forced action, high shear stirrer, powered by a heavy-duty mixing drill at around 600 r.p.m

Add pre-measured water to a clean mixing bucket. Gradually add White Sand Floor SL100 into the water whilst continuously mixing the contents of the bucket.

When the entire contents of the bag have been added to the water, mix for a further two minutes to produce a smooth homogenous consistency.

Do not mix by hand. Do not add excess water. Do not mix more White Sand Floor SL100 that can be reasonably laid within the flow time of the material.

However, it is advised that subsequent mixes are ready to enable continuous pouring until the area to be surfaced is complete.

Placing

Pour the mixed material on the primed substrate and allow material to seek its own level.

White Sand Floor SL100 may be spread with a steel trowel, or squeegee and allow to level.

For small thicknesses, the material must be rolled with a spiked roller to achieve air release

Any White Sand Floor SL100 that has not been placed whilst still fully fluid should be discarded.

For large areas, White Sand Floor SL100 can also be applied using a mechanical pump.

Curing

No special curing is required, but in hot climatic conditions freshly hardened surfaces should be covered completely with a polyethylene sheet or damp hessian for two days.

Cleaning

White Sand Floor SL100 should be removed from tools and equipment with clean water immediately after use.

Packaging

White Sand Floor SL100 is supplied in 20 kg bags.

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 SL100 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 SL100 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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