

SUPER SCREED 100HF

Premium Cementitious Pre-mixed Floor Screed

Description

SUPER SCREED 100HF is a single component, high fiber content ready to use pre-mixed cementitious floor screed. It is designed from Portland cement, graded aggregates, silica sand, reinforcement fiber and selected chemical additives.

SUPER SCREED 100HF is formulated for leveling and smoothing uneven floors in a thickness up to 100mm prior to laying decorative floor coverings, carpets, floor tiles, or any other finishing. It can be applied to most of concrete substrates.

Features & Benefits

- Ready mixed, easy to use
- High strength and mechanical properties
- Eco-friendly.
- Minimize the site errors due to uncontrolled mixing ratios.
- High adhesion to concrete substrates.
- Excellent workability.
- Designed for hot climatic.

Uses

SUPER SCREED 100HF is used for leveling old or new concrete in a thickness up to 100mm.

It is used to produce bonded, un-bonded and floating screed. For leveling and smoothing concrete floors prior to laying of decorative floor finishing; carpets, floor tiles, PVC flooring and parquet.

SUPER SCREED 100HF can be used in storage and warehouses areas, workshops, industrial areas. It is ideal solution to level non-even floors in residential and commercial buildings.

Technical Properties

Appearance	Granulated Powder
Color	Grey
Wet Density	2,100 Kg/m ³ approx.
Mixture working time	45 minutes @ 25 °C

Compressive Strength	45 N/mm ²
Flexural Strength	11 N/mm ²
Shrinkage	0.01%
Water absorption	0.5mm
Open to foot traffic	48 hrs @ 25 °C
Time for tile laying	7 days
Time for receive coating	14 days
VOC	<1.0 g/L

All values are subject to 5-10% tolerance

Standards Compliance

- BS 1201, BS 882 & BS 1881
- BS EN 196-1, EN 13813
- ASTM C 531, C109, C580

Application Procedures

Surface preparation:

Surface should be sound, clean free from loose material, grease, laitance, dirt curing compound, etc.

Bonded screed:

Super Screed 100HF can be laid as a bonded screed by applying ULTRABOND AR or SBR Slurry to prepare concrete substrate as a bonding and priming layer.

To prepare the slurry primer Mix 1 volume of ULTRABOND AR or SBR to 1 volume of clean water with 3 volumes of fresh cement and mix until a smooth consistency is prepared. Scrub the mixed slurry into the concrete surface; while the slurry is still wet apply Super Screed in order to insure good adhesion with the substrate.

Un-bonded Screed (minimum thickness 40 mm):

Concrete substrates should be neutralized by soaking with clean water prior to screed application. Free water on the surface should be allowed to disperse before application.

Floating Screed (minimum thickness 40 mm):

Place a suitable separating or damp-proof membrane (such as nylon sheet) over the substrate before applying the screed mortar.

Mixing Instructions:

For the preparation of mixture, pour into a container 4-5 liters of water for 50Kg bag of SUPER SCREED 100HF. Add the powder screed to the water and mix with a low speed electric drill fitted with a suitable paddle, until a uniform, lump free consistency mix is achieved. No further water should be added to the mix. Do not add water to the mix once its start to set.

Application Instructions:

Pour the mixed product onto the surface and spread to the desired thickness using steel trowel or suitable tools. Protect the floor after leveling the mix from direct sunlight, high winds or rain. It is possible to apply flooring material on top of SUPER SCREED 100HF (such as ceramic, carpet, etc.) after nearly 7 days (depending on the thickness, the supports humidity and the weather conditions).

Coverage

2.3 m² / 50kg bag at 10mm layer thickness.

Coverage depends on substrate porosity and profile.

Packaging

SUPER SCREED 100HF is available in 50kg bags

Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.



SBI products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. All SBI datasheets are updated on a regular basis. It is the user's responsibility to obtain the recent version.

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