

MonniScreed C100

Premixed 30 To 100 Mm Thick
Cementitious Screed.

Product Description

MonniScreed C100 is a single component cementitious floor screed composed of hydraulic binders, silica sand, selected aggregates special additives and fibers. It is supplied as a dry powder in pre-weighed bags ready to use on site, once mixed it will form a trowellable mortar that is applied in thicknesses between 30 and 100 mm.

Uses

- ▶ Leveling of concrete slabs prior to application of final floor coverings.
- ▶ Screeding over hollow-core pre-cast concrete slabs.
- ▶ Leveling floors and slabs to slope to ensure proper flow to drains.

Advantages

- ▶ Factory controlled pre-blend ensures consistent high quality.
- ▶ Suitable for Middle East harsh weather conditions.
- ▶ Easy application enabling high productivity & superior finishing.
- ▶ High bond to substrate.
- ▶ Excellent physical and mechanical properties.
- ▶ Shrinkage compensated.
- ▶ Excellent workability.
- ▶ Fiber reinforced resisting crack formation.

Usage Instructions

Surface Preparation

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

Priming

MonniScreed C100 can be laid as a bonded screed by applying MonniLatex SBR GP slurry to prepared concrete substrate as a bonding and priming layer.

To prepare the slurry primer mix 1 volume of MonniLatex SBR GP 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 wet apply MonniScreed C100 in order to ensure good adhesion with the substrate.

Mixing

For the preparation of mixture, pour into a container 5-6 liters of water for 50 Kg bag of MonniScreed C100.

Add the powder 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

Pour the mixed product onto the surface and spread to the desired thickness using steel trowel or suitable tools.

Cure the screed as per standard concrete curing practices. Do not subject the screed to vehicular traffic for 28 days till ensure full cure and systems ability to withstand designed traffic loads.

A concrete sealer is required for enhancing the screed durability and resistance to ingress of water, apply MonniSil XW770 at a rate of 8 to 12 m² per liter. Make sure that the sealer is uniformly applied and covering all screed surface.

VER.1.2019

Cleaning

Clean tools with water promptly before material hardens. Hardened material can be mechanically removed.

Technical Data

Category	Typical Values
Appearance	Powder
Color	Grey
Aggregate Size	1.0 mm (max)
Application Thickness	30-100 mm
Dry Density	1.80 Kg/L (approx.)
Wet Density	2.30 Kg/L (approx.)
Open Time	45 min. @ 25°C (approx.)
Compressive Strength (ASTM C349)	> 40 MPa @ 28 days
Flexural Strength (ASTM C348)	≥ 5.5 MPa @ 28 days

Standards Compliance

- ▶ EN197: 2011
- ▶ EN13813: 2002
- ▶ BS8204: 2010
- ▶ ASTM C1709

Packaging

MonniScreed C100 supplied in 50 Kg Bag.

Yield: 21.7 - 27.8 Ltr

Shelf Life & Storage

Original sealed bag of MonniScreed C100 has a shelf life of 12 months provided it is stored clear of ground in a dry and shaded place below 35°C.

Recommendations

- ▶ Do not apply the product at temperature less than +5°C.
- ▶ MonniScreed C100 should be checked for its suitability when concrete is steam cured. Also carry out prior test for its suitability when gypsum or colored mixes are being used.
- ▶ For further information contact our technical department.

Health & Safety

MonniScreed C100 is highly alkaline therefore avoid direct contact with eyes or skin. MonniLatex SBR GP is latex emulsion. It is recommended to use protective gloves and goggles during application.

Any skin contact should be washed with plenty amount of water. In case of eyes irritation, immediately wash with copious amount of clean cold water. Seek medical advice.

MonniScreed C100 is non-flammable.

Legal disclaimer

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VER.1.2019