

MONNELI EPOFLOOR SC (IF)

Solvent-Free Trowable Epoxy Mortar (5.0 - 20mm) for Concrete Floor

Description

EPOFLOOR SC (IF) is a solvent free trowable mortar for floors based on formulated epoxy resin, curing agents and silica sand specially selected for their ability to be applied and cured in ambient temperatures.

The system contains resin (Component A), hardener (Component B) and Graded Silica Sand (Component C).

Uses

EPOFLOOR SC (IF) is used in various installations such as:

- Commercial and residential car parking
- Workshops
- Warehousing and storage facilities
- Chemical and pharmaceutical factories
- Food factories and slaughterhouses

Components

EPOFLOOR SC (IF) contains resin (Component A), hardener (Component B) and sand pack (Component C):

EPOFLOOR SC (IF) resin (Component A) is a low viscosity standard coloured base which contains fillers and pigments.

EPOFLOOR SC (IF) hardener (Component B) is a low viscosity hardener which, after mixing with the base can be applied at 95% humidity and on damp floors. The hardener provides excellent chemical and abrasion resistance.

EPOFLOOR SC (IF) (Component C) is a graded low dusting silica sand.

Instructions for Use

Surface Preparation

The concrete must be at least 28 days old. The concrete must be free from loose matter, oil and dirt before starting surface preparation.

The best method to prepare the surface is dry grinding using a specialized planetary grinder. Before grinding, the surface must be free from any degreasing or cleaning chemicals which may have been used. At the end of grinding, the surface should be flat.

Surface irregularities and blow holes shall be repaired with EPOFINISH IF. When the filler is hardened, grinding and leveling of the patched area is recommended to ensure a good finish.

Ensure dust is removed from the surface using an industrial vacuum.

For best finish and adhesion, treat the surface with PRIMER POXY IF. In case the surface is very absorbent, apply a second coat of primer within the allowed recoating time.

Metal surface must be perfectly cleaned up to white metal by sand blasting. Application of PRIMER POXY IF should be done immediately before flash rusting occurs.

Application

Items Needed

- Multi-speed drill fitted with a mixing paddle
- Good quality medium haired non-shedding roller, suitable for epoxy application. Ensure

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that all loose hairs on the roller have been removed before use

- 7" flat squeegee
- Clean bucket, 2" brush and SOLVENTE 10 to clean the equipment

Method

Pour the mix onto the floor immediately and spread using the steel trowel. Wet the blade with SOLVENTE 10 to aid application. Apply at a thickness of 5-20mm.

Cleaning

Clean equipment with SOLVENTE 10. In case of spillage, use fine silica or cement to absorb the spill and dispose of according to local regulations.

Technical Data

| Properties | Result |
|---|----------------------------------|
| Solid Content | 100% |
| Kit Size | 15 Liter |
| Theoretical Coverage | 6 m ² at 6 mm |
| Pot Life at 18°C | 90 minutes |
| Pot Life at 30°C | 60 minutes |
| Mixing Ratio HARDENER : BASE : SAND (by weight) | 1.0 : 2.18 : 27.27 |
| Mixed Density at 20°C | 2.0 kg/L |
| Application Maximum Relative Humidity Compressive Strength (ASTM C579) | 95 % > 80 N / mm ² |
| Bending Strength (ASTM C580) | > 25 N / mm ² |
| Tensile Strength (ASTM C307) | > 14 N / mm ² |
| Bond Strength to Concrete (ASTM D4541) | > 2.0 N / mm ² |

All values are subject to 5-10 % tolerance

Packaging

EPOFLOOR SC (IF) is supplied as a pre-measured kit depending on the customer's requirements. Our standard packaging is 15 Liter kit.

Storage

Keep in tightly closed containers and in sheltered and dry place with a temperature between +5°C and +35°C. In these conditions it maintains its characteristics unchanged for 12 months.

Health and Safety

Study the MSDS of the product before use or storage.

EPOFLOOR SC (IF) is not regulated per the 'Directive 67/548/EEC EU Dangerous Materials List' so no special labeling is

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