

### MONNELI EPOFINISH (IF)

*Solvent-Free Repair Mortar for Concrete Floors*

#### Product Description

A solvent free repair mortar for floors based on formulated epoxy resin, curing agents and silica sand specially selected for their ability to be applied and cured in cold temperatures.

#### Uses

EPOFINISH 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

- EPOFINISH IF contains resin (Component A), hardener (Component B) and Silica Sand (Component C):
- EPOFINISH IF resin (Component A), is a low viscosity standard Coloured Base which contains fillers and pigments.
- EPOFINISH IF hardener (Component B) is a low viscosity hardener which, after mixing with the resin can be applied in 95% humidity and on damp floors. The hardener provides excellent chemical and abrasion resistance.
- EPOFINISH IF (Component C) is a graded low dusting silica sand.

#### Instructions for Use

##### Surface Preparation

For best finish and adhesion, apply over PRIMER POXY IF.

The concrete must be at least 21 days old. The concrete must be free from loose matter, oil and dirt before starting surface preparation.

The EPOFINISH IF is also designed for deep and wide cracks. The cracks should be opened up by sandblasting or mechanical wire brushing. Undercut if necessary.

##### Application

##### **Items Needed**

- Multi-speed drill fitted with a mixing paddle
- Hand held steel trowel
- Clean bucket, 2" brush and SOLVENTE 10 to clean the equipment

##### Method

Using a drill and a paddle at low speed, stir the resin (Component A) for 1 min.

Slowly add the hardener (Component B) and increase mixing speed. Mix for 1 minute, ensuring proper mixing between the resin and the hardener.

Slowly add the sand (Component C) and increase mixing speed. Mix for 2 minutes. Do not dump all the sand at once.

Pour the mix onto the floor immediately and spread using the steel trowel. Wet the blade with SOLVENTE 10 to aid application.

## 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.

## Packaging

EPOFINISH IF is supplied as a pre-measured kit depending on the customer's requirements. Our standard packing is 4 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 & Safety

Study the MSDS of the product before use or storage.

EPOFINISH IF is not regulated per the "Directive 67/548/EEC EU Dangerous Materials List" so no special labeling is needed.

## Technical Data

Properties	Results
Solid content	100%
Kit size	4 Liter
Theoretical coverage	4m <sup>2</sup> / 4 liter / 1 mm
Pot life at 18°C	90 minutes
Pot life at 30°C	40 minutes
Thin layer (3.2mm) Dry Time at 20°C	15 hours
Thin layer (3.2mm) Dry Time at 40°C	5 hours
Mixing ratio HARDENER : BASE : SAND (by weight)	1 : 1.6 : 12
Mixed Density at 20°C	2.02 kg/L
Application maximum relative humidity	75 %
Compressive strength (ASTM C579)	> 80.0 N / mm <sup>2</sup>
Bending strength (ASTM C580)	> 20.0 N / mm <sup>2</sup>
Tensile strength (ASTM C307)	> 14 N / mm <sup>2</sup>
Bond strength to concrete (ASTM D4541)	> 2.0 N / mm <sup>2</sup>
Taber abrasion (ASTM D4060 CS17 Wheels)	45 mg loss/ 1000cycles
Water absorption (ASTM D413 ) (maximum)	0.001%
Porosity with no sealer NACE Sand TM-01-74	0
Hardness shore D	85

All values are subject to 5-10 % tolerance

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