

EPOFLOW SL

Epoxy Flow Applied Topping

Description

EPOFLOW SL has been designed to provide a hard wearing, impervious, seamless floor finish which is hygienic and easy to clean. EPOFLOW SL with its combination of attractive finish and excellent resistance to many chemicals is suitable for a wide range of light industrial environments. EPOFLOW SL is typically applied at thicknesses of between 2 and 6 mm. EPOFLOW SL is supplied as a three pack product, consisting of an epoxy resin component, a curing agent component and a graded aggregate component, all pre-weighed and ready for mixing.

Typical Uses

Suitable for use in laboratories, pharmaceutical plants, hospitals, food preparation areas, electronics assembly factories, etc..

Advantages

- Fast application
- Hard wearing
- Hygienic and easy to clean
- Excellent chemical resistance
- Very good adhesion to concrete
- Seamless

Typical Properties

Pot Life: 50 minutes @ 20° C
Compressive Strength: 60 N/mm²
Flexural Strength: 34 N/mm²
Chemical Resistance: Excellent resistance to a wide range of industrial chemicals including 20% hydrochloric acid, 10% sulphuric acid, 20% sodium hydroxide, petrol, 5% lactic acid and bleach. Specific advice will be provided by our Technical Department.

Surface Preparation

All surfaces to be treated should be sound, clean and free from dust, dirt, laitance, oil and other contaminants. All laitance must be removed by vacuum grit blasting, ensuring that any residual dust is removed. New concrete surfaces should be a minimum of 21 days old and/or have a residual moisture content below 6%. Steel surfaces shall be grit blasted to Sa 2.5 Swedish standard, and degreased using CEMART SOLVENT.

Priming

Prime the prepared surfaces using EPOPRIME applying the material at a nominal rate of 5 m² per kg. Allow the primer to cure overnight.
NOTE: If the surface is exceptionally porous it may be necessary to 'double prime'.

Mixing

EPOFLOW SL is supplied as a three component product, each component being pre-weighed ready for use. The contents of the curing agent container should be drained into the base component and the two materials thoroughly mixed. The mixed liquid should then be poured into a forced action mixer, e.g. Mixall, Pennine or Cretangle and the aggregate component slowly added under constant mixing until a uniform consistency has been achieved.

Application

Apply the mixed EPOFLOW SL by serrated trowel. Within 20 minutes, spike roller the EPOFLOW SL in order to de-aerate it. Existing joints in the floor must be carried through the screed.

Equipment Cleaning

Clean all equipment immediately after use with CEMART TOOLCLEAN.

Curing

Allow a minimum cure time of 24 hours @ 20° C prior to light foot traffic, 48 hours cure @ 20° C prior to full vehicular access and 7 days cure @ 20° C prior to exposure to chemicals. NOTE: At higher temperatures the above cure times will be reduced, at lower temperatures they will be increased.

Packaging

EPOFLOW SL is supplied in 31.1 kg packs.

Coverage

A 31.1kg pack is sufficient to cover an area of 8.5 m² at a thickness of 2 mm.

Health and Safety

Avoid contact of the material with skin and eyes. Wear appropriate gloves, overalls and eye protection during use. Please refer to material Safety Data Sheet for additional information. For specific advice regarding any aspect of this product, please consult our Technical Department.

Storage, Mixing & Application

Store in dry conditions, out of direct sunlight at temperatures between 10° C and 25° C. EPOFLOW SL has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturers instructions.

Limitations

Do not apply to wet or uncured concrete surfaces. Do not apply at temperatures below 5° C.

General Guidance

This Data Sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Department. Please consult our Sales Department to confirm that this Data Sheet is the current issue.