

EPOXY SELF-LEVELLING FLOOR TOPPING (1-3MM)

Description

RoK Floor EPSL is a solvent free, pigmented epoxy floor topping system providing long term high wear resistance and optimum hygiene conditions.

Typical Applications

- Pharmaceutical production
- Hospitals
- Food and beverage manufacturing
- Light traffic warehousing
- Aircraft Hangers
- Vehicle showrooms

Features

- High gloss finish
- Abrasion resistant
- Hard wearing
- Seamless
- Skydrol resistant
- Self-smoothing

Packaging

22 Ltr unit

Method of Application

1 SURFACE PREPARATION

- Concrete and screed should be at least 28 days old with a maximum relative humidity at the surface of 75% when measured with a hygrometer to BS 8201-81. Surfaces must be free of all contaminants and the dense surface laitance removed.
- Prepare the substrate by either shotblasting, scabbling or diamond grinding to remove surface laitance, unsound material, plaster, existing paint finishes, oil, grease and any other contaminants to provide a clean, open textured substrate.
- Vacuum to remove all dust and debris deposits created by the preparation process. Any making good should be carried out using a suitable Dr Fixit repair mortar (consult Pidilite Technical Department).

2 PRIMING

- All substrates must be primed using RoKprime EPSF epoxy primer. Excessively porous or friable surfaces may require two coats. Allow the primer to become tack free prior to the application of the finish and apply within a maximum of 36 hours at 25°C. Higher temperatures will reduce this time.

3 MIXING

- RoK Floor EPSL is supplied in a three part kit. Mix Part A (resin) to re-distribute any settlement and decant into a suitably sized mixing vessel. Add part B (hardener) and mix for a minimum of 2 minutes using a slow speed electric paddle mixer. Add the entire contents of part C (filler) and mix for a further 2 minutes until completely homogenous.

4 APPLICATION

- RoK Floor EPSL should be applied to the primed surface as soon as mixing is completed using a steel trowel. Allow the material to settle and roll with a spike roller to remove any air bubbles and assist in the smoothing process.

5 CURING

- Allow the material to cure for a minimum of 24 hours for foot traffic and 72 hours for vehicle traffic at 25°C.

6 JOINT DESIGN

- All movement joints in the substrate should be brought through the finished floor. Re-form using a diamond saw and seal using a suitable Dr Fixit joint sealant.

7 CLEANING

- All tools should be cleaned using RoK Tool Cleaner prior to curing.

Note:

- There should be a fully functioning vapour barrier below all concrete substrates.
- Surface moisture content of the concrete substrate should be less than 4%.
- RoK Floor EPSL can be applied up to 3mm thickness under normal conditions
- Some chemical products can cause discoloration, check prior to installation.

TECHNICAL DATA

Pot life	25-30 minutes at 30°C
Initial set time	24 hours at 25°C
Compressive Strength	>70N/mm ² at 7 days (BS6319:2)
Flexural Strength	>25N/mm ² at 7 days (BS6319:3)
Tensile Strength	>15N/mm ² (BS6319:7)
Bond Strength	Greater than host concrete at 7 days
Shore D Hardness	65-70 (ASTM D 2240-05)
Water Absorption	0.05%+/-0.01 (ASTM C 413:80)

Theoretical Coverage

1 ltr per mm per m²

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Storage

When stored in dry conditions out of sunlight in original unopened packaging this product has a shelf life of 12 months. Storage above 35°C will reduce shelf life and product performance.

Health and safety Precautions

As with all epoxy resins, work cleanly at all times. Skin and eye contact should be prevented by the use of plastic or rubber gloves, eye protection, barrier creams and protective clothing. Any resin or hardener in contact with the skin should be removed with warm soapy water or a resin removing cream. NOT solvent. In case of eye contact wash copiously with water and in the case of accidental ingestion, obtain immediate medical attention. Provide good work area ventilation. See MSDS for further information.

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