

Description

Reprotec Flexiflor is a two pack specially formulated flexible solvent free resin coating modified to impart flexibility with toughness, resilience and waterproofing properties to the cured film. The abrasion and impact resistance, together with the low temperature flexibility and excellent adhesion to concrete, make Reprotec Flexiflor the Architects choice.

Typical Uses

Reprotec Flexiflor an ideal material for use as a coating for mezzanine areas, suspended floor slabs, plant rooms. Walkways.

Advantages

- Tough and hardwearing
- Flexible
- Excellent abrasion and impact resistance
- Proven chemical resistance
- Low odour during application
- Good water and weathering resistance

Typical Properties

Pot life @ 20°C: 60 Minutes

Colours: see website

Minimum overcoating interval: 12 hours @ 20°C

Maximum overcoating interval: 48 hours @ 20°C

Tensile strength: 9MPa (7 days cure @ 20°C)

Elongation at break: 85% @ 20°C

Chemical resistance: Excellent resistance to dilute acids and alkalis, oil, petrol, diesel, vegetable oils.

Packaging

Reprotec Flexiflor is supplied in 5kg Packs

Procedure

Surface Preparation

- a) All surfaces should be sound, clean, and free from dust, dirt, laitance, oil and other contaminants. All laitance should be removed by mechanical means, diamond grinding or STR Grinding. New concrete surfaces must be a minimum of 21 days old and/or have a residual moisture content below 6%. (Can be reduced to 10 days if Reprotec Dampstop is used). Steel substrates shall be grit blasted to Sa2.5 Swedish standard.

Priming

A primer coat of Reprotec Florprime is recommended on concrete substrates.

Apply the Reprotec Florprime at a nominal rate of 0.2kg per m² in accordance with the product data sheet instructions. Allow the milky colour of the primer to disappear before overcoating. This will typically be between 3-4 hours, depending on temperature and ventilation conditions.

A primer coat of Reprotec Steel Primer is recommended on steel substrates. Please refer to Reprotec Steel Primer product data sheet for additional information.

Mixing

Pour the contents of the CURING AGENT container into the BASE container and thoroughly mix, preferably by mechanical means, a paddle mixer is available in the accessories section of the website, this will fit most drills and a slow speed is recommended, mix until a uniform colour is achieved.

Application

The mixed material can be poured in patches onto the floor and squeegeed out, finishing off with a roller.

Alternatively the mixed material can be poured into a paint scuttle and rolled out. See the website for suitable accessories.

Apply by brush or roller at a nominal rate of 0.3kg/m² per coat, with a minimum of 12 hours between coats.

Equipment Cleaning

Clean equipment with Reprotec Toolclean prior to curing of the coating.

Curing

Allow to cure for a minimum of 24 hours @ 20°C prior to light foot traffic access and 48 hours @ 20°C prior to vehicular trafficking.

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Storage and Shelf Life

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

7 days cure @ 20°C is recommended prior to exposure to chemicals

Coverage

A 5kg pack is sufficient to coat 8.3m² of surface with the recommended two coat treatment, providing an overall d.f.t. of 450 microns approx. Coverage will be reduced with slip-resistant systems because of the increased surface area to be covered with the second coat.

Limitations

Do not apply to wet or uncured concrete surfaces.
Do not apply at temperatures of 3°C or less.

Health and Safety

Avoid contact of the material with skin and eyes.
Wear gloves and goggles
Wash off splashes immediately with soap and water.
Any eye contamination must be rapidly irrigated with copious amounts of clean water, and immediate medical attention sought.

Please refer to Material Safety Data Sheet for additional information

Reprotec Flexiflor shall be applied strictly in accordance with the manufacturer's instructions.