

Product Data

Composition

Pigmented epoxy resin cured with a fast curing modified polyamine.

Volume Solids (ISO 3233)

c.100%

Covering Capacity

Typically 3.9 m²/kg (equivalent to 5.0 m²/lt) per coat, depending on porosity of substrate.

Recommended Film Thickness

200 microns per coat.

Mixing Ratio

100 : 29 by weight (Base: Hardener).

Pot Life

30 minutes at 20°C

60 minutes at 10°C

Shelf Life

12 months, stored under cool, dry conditions in original, unopened packs

Drying Time

The coating can be walked on after c.5 hours at 20°C. It is suitable for wheeled traffic after c.10 hours at 20°C.

Full mechanical and chemical resistant properties are attained after 3 days.

Overcoating Interval

Minimum 6 hours at 20°C

Maximum: 24 hours at 20°C. If this is to be exceeded dried quartz sand

0.1 - 0.3 mm should be sprinkled on to the first coat, while still wet.

Application

Brush, roller, trowel or squeegee

Heat Resistance

Withstands continuous dry heat up to 80°C

Flash Point

Base: 100°C

Hardener: 110°C

Mixed: 100°C

Colour

Range Available

Packages

15 kg (equivalent to 11.5 lts)

(11.6 kg base, 3.4 kg hardener)

Weight per Litre

1.3 kg mixed.

Solvent/Cleaner

Clean equipment thoroughly immediately after use with thinner 11223

Finish

Gloss

Betonol B196/HB-Rapid High Build Epoxy Sealer/ Floor Coating

A two pack fast cure epoxy self-priming coating for concrete, plaster, and mortar substrates applied as a sealer, followed by a full coat. The rapid curing properties allow multiple coats to be applied in one shift, and for work to be carried out at temperatures lower than those allowable for most conventional materials of this type.

It is resistant to mechanical wear and has good chemical resistance.

Surface Preparation

Surfaces should be cleaned and roughened by shot blasting (eg. blastrac), grinding, or equivalent method, then vacuum cleaned. The substrate must meet recognised building standards, ie. be solid, load-bearing, adherent, free from laitance, oil, fats, wax, water repellent agents or contaminants detrimental to adhesion. The test result for residual moisture must be below 4%. Pull off adhesion strength should be > 1.5N/mm² on average with a minimum value > 1.0N/mm². Areas to be subjected to heavy wear or point loading should be > 2.0N/mm² on average, with a minimum value > 1.5N/mm². For heavily soiled surfaces or chemically contaminated areas, special cleaning methods may be necessary - as approved by HCC.

Application Method

Stir base component thoroughly using a mechanical mixer, then add hardener at the correct mixing ratio; continue stirring until a homogeneous mixture is achieved. Transfer to a clean container then mix again. Use immediately.

Brush, Roller, Squeegee or Trowel

Apply an even coat taking care to avoid pooling or sags and runs on vertical surfaces.

Woven pile rollers are recommended to minimise contamination with roller fibres.

The first application will penetrate the substrate. Take care not to exceed pot life.

At temperatures above 20°C, pot life will be seriously reduced.

After application of a first coat and before the surface has dried, sprinkle on a light dusting of fire dried quartz sand (0.1 - 0.3 mm), if overcoating interval is to exceed 24 hours. This is essential for the adhesion of subsequent coatings.

Do not apply when relative humidity exceeds 80% and condensation is likely. Application should be stopped when the temperature falls below 3°C. Only apply coating when the substrate temperature is 3°C or more above the dew point. Loss factors based on the nature of the surface and the chosen application method should be applied to obtain a practical covering capacity.

Do not vary film thickness without written confirmation.

The product is intended for industrial use only. Improper work practices or negligent product handling may be dangerous to health and create risk of fire or explosion. Appropriate safety regulations, as well as the MSDS and hazard warning labels must be fully observed.

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