

Product Data

Composition

Water dispersed polyaminoamide cured epoxy containing inert pigments.

Volume Solids (ISO 3233)

65% ± 2%

Covering Capacity

Theoretical: 10.0m²/kg (equivalent to 13.0 m²/lt) at 50 microns dry film thickness, 5.0m²/kg (equivalent to 6.5 m²/lt) at 100 microns dry film thickness.

Recommended Film Thickness

50 to 125 microns dry (per coat)

Mixing Ratio

3:7 by weight.

Pot Life

80 minutes at 20°C.

Shelf Life

12 months, stored under cool, dry conditions in original, unopened packs and protected from frost.

Drying Time

The coating may be walked on after 24 hours at 20°C. Full mechanical and chemical resistant properties after 7 days.

Overcoating Interval

Minimum: 18 hours.

Maximum: 5 days.

Application

Brush or roller.

Heat Resistance

Withstands continuous dry heat up to 75°C

Flash Point

Not Applicable.

Colours

Range available

Packages

15 kg unit (equivalent to 11.5 lts)
(4.5 kg base, 10.5 kg hardener)

Weight per litre

1.3 kg mixed.

Solvent/cleaner

Clean equipment thoroughly immediately after use with water.

Finish

Low sheen

Betanol D183/RB Water-based Epoxy Floor and Wall Coating

A fully water-based thin film coating for floors, walls and ceilings in order to increase the mechanical and chemical resistance and to facilitate cleaning. It is resistant to many chemicals such as water, greases, oils, liquid, pasty and solid foodstuffs, organic solvents, salts, alkalis and dilute acids. It is suitable for direct application to prepared concrete surfaces, and in many cases to clean, sound existing coatings. It has the added advantage of being suitable for use on damp surfaces, and may be applied at up to 125 microns in one application if required.

It is also suitable for use on suitably primed steel surfaces in most instances.

Surface Preparation

Surfaces to be coated must first be brushed down, then vacuum cleaned. The substrate must meet recognised building standards, i.e. be solid, load-bearing, adherent, free from laitance, dirt, oil, fats, wax, water repellent agents and contaminants detrimental to adhesion. Test result for residual moisture in the concrete should be less than 4%. Heavily contaminated concrete should be steam cleaned and shot blasted. The substrate may be visibly damp but surface water should not be forming pools or puddles. The first coat should be thinned with 5% water (by weight) to assist penetration. Subsequent coats may also be thinned if required.

Steel surfaces should be free of grease, oil and other contaminants, then blast cleaned to minimum standard Sa 2.5 BS 7079: 1989 (ISO 8501-1: 1988). Suitable Permacor primers and undercoats should then have been applied.

Application Method

Stir base component thoroughly using a mechanical stirrer, then blend together with hardener at the correct mixing ratio, continuing with stirring until well mixed. Transfer to a clean container, then mix again. Then add water if required, again stirring until well mixed. Application at 50 microns dry film thickness necessitates thinning by 3-5% with mains water.

Brush or Roller

Apply a full even coat.

Two or more coats will normally be required on concrete or plaster.

Do not apply when relative humidity exceeds 80% and condensation is likely. Application should be stopped when the temperature falls below 10°C. Only apply coating when the surface temperature is 3°C or more above the dew point. Note that with certain bright colours where pigmentation is inherently lower in opacity, extra coats may be necessary to achieve full obliteration, particularly over a substrate where the colour differential is high. 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 recommended 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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