EPOXY SEAL COAT

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Epoxy Seal Coat is a specially formulated two-part solvent free epoxy coating. Recommended for use where a tough easily cleaned surface is required. Epoxy Seal Coat being virtually odourless, can be applied in areas where solvent fumes or odour can cause difficulties. Application by brush or roller will give a decorative sheen finish combined with a durable chemically resistant surface.

Preparation

Prior to application, all surfaces must be clean, sound and free from water. In areas of high abrasion or chemical attack it is recommended that all substrates are prepared by mechanical blast cleaning or scarifying.

Mixing

To mix, stir the contents of the coloured Part B base component thoroughly then add Part A and mix until an even streak free appearance is obtained. It is recommended that the sides and base of the container are scraped clear of material at least once to ensure thorough mixing takes place. This is best carried out using a flat bladed scraper or similar. Alternatively, transfer the mixed material to a clean container and mix further. This should ensure thorough mixing takes place.

Application

Apply by brush or roller and push the resin well into the substrate at a rate of 16 square metres per unit to give 250 microns per coat. Allow to cure for a minimum of 10 hours before overcoating and 16 - 24 hours before subjecting to foot or light traffic. Epoxy Seal Coat will accept heavy vehicles and chemical cleaning after 5 - 7 days.

N.B. Cure times given are for films applied at 250 microns wet film thickness and held at a temperature of 20° C and relative humidity of 65%.

Coverage rates quoted are theoretical. Actual application rates will be determined by the condition and profile of the substrate surface.

On mixing large quantities of the resins, heat can build up quickly (especially on warm days), resulting in premature gelation. To avoid this, spread the mixed material over a larger surface area and this dissipates any heat produced and increases the pot life/ working life.

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DATA SHEET

EPOXY SEAL COAT

Technical Data

Material Type	Pigmented two part solvent free epoxy
Mixing Ratio	As supplied
Working Life (5 Kg Unit)	30-45 minutes at 20°C
Cure Time (Overcoating)	10 hours at 20°C
Cure Time (Foot Traffic)	16-24 hours at 20°C
Full Cure	7 days at 20°C
Compressive Strength	~40 N/mm^2
Flexural Strength	~28 N/mm^2
Lap Shear Bond Strength	~15 N/mm^2
Minimum Application Temp.	10°C
Solids Content (Mixed)	By weight 100% By volume 100%
Theoretical Coverage	16 square metres per unit
Pack Size	5Kg
Shelf Life	18 months minimum from date of manufacture

Chemical Resistance

Epoxy Seal Coat is resistant to a wide range of chemicals including:

- Distilled water
- Salt water
- Akalies
- Detergents
- Mineral oil
- Hydrocarbon greases
- Hydrocarbon solvents
- Petrol
- Diesel oil
- Vegetable oil
- Animal fats

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Health & safety

Both Epoxy Seal Coat Part A and B are classified as irritants and part A is also corrosive. Avoid contact with the skin and eyes. Splashes to the skin should be removed using soap and water. Should material enter the eyes, irrigate with clean water for at least 15 minutes. If irritation persists or skin rash occurs seek medical advice. For further information refer to the respective Safety Data Sheets.

Important

The information and data given is based on our own experience, research and testing and is believed to be reliable and accurate. However, we cannot know the varied uses to which the products may be applied, or the methods of application used, no warranty as to the fitness or suitability of the product is given or implied. It is the users responsibility to determine suitability of use.

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