

DATA SHEET

516
CHEMICAL RESISTANT EPOXY RESIN

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V1-03/07/2017

DESCRIPTION

- A solvent free, extremely chemical and acid resistant epoxy resin. Used as a coating or laminating resin.

CHEMICAL RESISTANCE

- Resists most dilute acids and alkalis, petroleum products, aliphatic solvents, water and detergents.

PROPERTIES

- High Gloss
- Easy to clean and resistant to bacteria.
- Bond strength: Breaks Concrete
- Resistant to 98% Sulphuric Acid, 50% Sodium Hydroxide, most other acids and alkalis, petroleum products and aliphatic solvents.

RECOMMENDED AREAS FOR USE

- A coating where extreme chemical and acid resistance is required.

SURFACE PREPARATION

- All surfaces must be clean, structurally sound and free of dust, oil and dirt. Concrete surfaces should be abrasive blasted or acid etched to remove laitance. Moisture content should be below 10%.

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PRIMING

- DENSE CONCRETE : Prime with 101 Penetrating Primer @ 8m²/litre
- POROUS SCREEDS : Prime with 118 High Solids Primer @ 4m²/litre
- REPAIRS : Fill all imperfections with 301 Epoxy Scraper Coat or 302

APPLICATION

- Thoroughly mix the resin and activator in the correct proportions. Apply by short nap roller, brush or airless spray.

CLEANING EQUIPMENT

- Clean all equipment immediately after use with Water Soluble Brush Cleaner.

TOXICITY

- Although 516 is relatively non-toxic, it is recommended that the normal precautions in dealing with conventional epoxy systems are adhered to. Refer to the relevant 16 point Safety Data Sheet.

HOW TO SPECIFY

- All surfaces to be prepared, primed and then coated with 516 Chemical Resistant Epoxy to an average thickness of 500 microns in accordance with the manufacturer's instructions.

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TECHNICAL DATA

COLOUR	Clear, White, Grey & Red
CONSISTENCY	: Liquid
MIXED DENSITY	: 1.1kgs/ litre
MIXING RATIO (VOL)	: 2 Base : 1 Activator
POT LIFE (500ml)	: 40 minutes @ 25°C
TOUCH DRY	: 4 hours
OVERCOATING TIME	: Min: 4 hrs Max: 48 hrs
FULL CURE	: 7 days
SOLVENT CONTENT	: Nil
FLASH POINT	: 102°C
VOLUME SOLIDS	: 100%
AVERAGE SPREAD RATE	: 2m ² /l/coat
RECOMMENDED NO. OF COATS	: 1 or 2
DRY FILM THICKNESS	: 300-500µ per coat
AIRLESS SPRAY TIP SIZE	: 575-875µ
PRESSURE AT TIP	: 245-350kg/cm ²
MINIMUM SUBSTRATE TEMPRATURE	: 5°C
SHELF LIFE	: 12 months
THINNERS	: Epoxy Thinners
PACKAGING	: 5litres

The technical data furnished is obtained from controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven fault our liability will be limited to the replacement of the product only. It is the users' responsibility to confirm the currency of product data sheets.