

TECHNICAL DATASHEET

EPOXY TOPCOAT SOLVENT BEARING 4:1

PRODUCT DESCRIPTION

A two-component epoxy finish specially designed to be applied over concrete and metal to provide a hard wearing, durable and attractive finish with excellent chemical and mechanical resistance.

PRODUCT BENEFITS

- 1- Strong adhesion
- 2- Long-term protection
- 3- Chemical resistance
- 4- Mechanical properties
- 5- Good corrosion resistance
- 6- Exceptional resistance to abrasion
- 7- Easy mixing
- 8- Great pot life and workability

RECOMMENDED USES

For interior use, on concrete and metal surfaces in areas where chemical and mechanical resistance are required such as pavements, parking areas, heavy traffic areas, warehouses, industrial plants, petroleum refineries and water purification plants.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Technology	Epoxy
Physical State	Liquid
Appearance	Comp. A Viscous Liquid Comp. B Liquid Two Components- requires mixing 4:1 (Base:Catalyst).
Pot Life	4- 6 hours
Color Range	cf. catalogue

Component A

Specific Gravity, ISO 2811

0.9-1.3g/cm³

Viscosity, ISO 2884

7- 10 poises

Component A+B

Drying Time, ASTM D 5895

2-3 Hours to touch.

Wet Film Thickness, ISO 2808

125- 200 µm

Dry Film Thickness, ISO 2808

75- 120 µm

Recoat Time

6 hours

Coverage

90-100 m² per pail

Sag Resistance, ASTM D 3730

Excellent

Leveling, ASTM D 2801

Excellent

Scratching Test

Excellent

Chemical Properties

Component A

Solids by Weight

65 ±2 %

Solids by Volume

55 ±2 %

Total VOC

35%

SURFACE PREPARATION & PRIMING

All surfaces to be painted must be clean and dry. Be sure to remove all wax, silicone, oil, powdery or scaling rust, loose or peeling paint and all other contaminants. Smooth surfaces should be sanded to promote adhesion. Prime bare and uncoated surfaces with Solvent bearing Epoxy Primer.

FERROUS METALS: A completely de-rusted surface is recommended.

PAINTED SURFACES: Solvent bearing Epoxy Coating may lift old paint. We recommend a test patch. If lifting occurs, remove old paint and follow directions for bare surfaces. Be sure all loose and peeling paint is completely removed and the surface is clean. Remove excess chalkiness with a wire brush or by sanding.

MIXING/THINNING/APPLYING

Combine phase A (base) with phase B (Hardener) according to the ratio base:catalyst 4:1 Keep the mixing for 5 – 10 min before use.

Thin the mixture with Thinner epoxy with a dilution up to 20- 25%

Apply one coat on the substrate. Recoat if necessary.

Clean tools and equipment with Thinner immediately after use.

CAUTION

Flammable Liquid and Vapor

PACKING

In cylindrical tin containers of the following capacities:

- 1 US Quart = 0.95 L.
- 1 US gallon = 3.78 L.
- 1Pail (5U.S.G.) = 20L

Each container is supplied with its appropriate pack of relative hardener.

STORAGE

Avoid frost & excessive heat.

The technical information contained in this Technical Data Sheet is to be understood as advice only and not binding in any respect.
All details about working with our products should be adapted to prevailing local conditions and materials used.