

Scope

A specially designed high performance epoxy sealer coat exclusively for concrete surfaces. It is recommended for use as a chemically resistant penetrating sealer for aged concrete and other porous cementitious surfaces.

Uses

Suitable for application on concrete structurals of fertilizer, refineries, petrochemicals, chemical and other installations, exposed to saline environment. It can be used on the exterior concrete surface of Urea Prill Towers and can be overcoated with a wide range of protective coatings

Product Data

Type: Two pack, cured with Polyamide

Composition: Epoxy resin and special catalyst

Mixing Ratio: Base : Catalyst : 1 : 1
by volume

Pot Life: 6-8 hours

Application: Brush, roller, airless or conventional spray

Recommended DFT: Sufficient only to penetrate and seal the surface

Spreading Rate: 6-8 Sq. Mtr./Ltr. (actual spreading rate depends on surface porosity and job conditions)

Drying Time:

TOUCH: 30-60 minutes

HANDLE: 2 hours

HARD: 16 hours

Curing Time: 7 days

Overcoating Interval:

Min : 2 hours

Max : Preferably within 48 hours

Flash Point: Above 22°C

Colour: Clear

Packing: 20 Ltrs.

Thinner/Cleaner: Thinner 844

Finish: Glossy

Storage Life: Up to twelve months as long as the sealed containers are kept under cover in a dry place under normal temperature conditions.

Resistance Guide

Chemical Resistance

Exposures	Splash and spillage	Mild Fumes / Outdoor Resistance
Acids	Good	Very Good
Alkalis	Excellent	Excellent
Solvents	Good	Good
Salt	Fair	Fair
Water	Good	Very Good

Temperature Resistance :

Continuous : 93°C

Intermittent : 120°C

Weatherability: Very good with suitable top coat

Flexibility: Excellent

Abrasion Resistance: Good

Surface Preparation

CONCRETE: New concrete: Ensure that the concrete is cured for a minimum of three months. The surface is to be made rough and free from laitance and other contaminants by sand sweeping.

Old concrete: Remove all salt deposits from the surface by water jet washing. Light sand blast the surface to remove all loosely bound coatings and roughening up of firmly adhering coatings to ensure anchorage with recommended system. Ensure all dust/other particles are fully removed by suction or air blast and the surface is fully clean and dry before application of paint.

Application

Stir the base thoroughly and then mix the base and catalyst in recommended proportion to uniform consistency and mature the mixture for 30 minutes. Stir again before application and during use. Apply on new concrete surface only after bleed water disappears. Avoid excessive application or puddling on the floors and horizontal surfaces. Also avoid applying at higher thickness than recommended.

Brush/Roller: Apply without thinning, only in sufficient quantity to seal the porosity of the surface.

Conventional spray: Add maximum up to 10% Thinner 844 if required depending on conditions. Use any standard equipment at an atomising pressure of 3.5–4.2 Kg/cm².

Airless spray: Apply without any thinning. Use any standard equipment having pump ratio 30 : 1. Tip size 0.28–0.45 mm. Tip pressure of 110–140 Kg/cm².

Typical Painting Specifications

Surface	1st coat	2nd coat	3rd coat
Concrete	Epilux 84 Clear	Epilux 155 HB or Epilux 78 HBTL	Epilux 155 HB or Epilux 78 HBTL
—do—	—do—	Protectomastic	Protectomastic
—do—	—do—	Epilux 5 CTE or Epilux 555 CTE HB	Epilux 5 CTE or Epilux 555 CTE HB
—do—	—do—	Berger Solventless Epoxy	Berger Solventless Epoxy

Notes

1. Use off the mixed paint within the stipulated pot life period.
2. Do not apply when temperature falls below 10°C or rises above 50°C and when relative humidity rises above 90%. Do not apply during rain, fog or mist.
3. Brushes and spray equipment should be cleaned with Thinner 844 otherwise equipment is liable to be damaged.
4. The product is based on VALSPAR/MOBIL, USA technology and is equivalent to Val-Chem Epoxy Sealer 84-V-2 Clear

Health & Safety: Please refer to the separate safety data sheet available with detailed information.

Disclaimer:

The information contained within this data sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.

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