



Epilux Epoxy Coating

USES

An ideal finish coat for application primed steel and concrete surface in high humid atmospheres. Recommended as a high performance finish for equipment, pipeline structurals in power plants as well as steel plant.

SCOPE

A specially designed formulation for use as a finish coating, having good chemical resistance coupled with decorative appeal. The product possesses good flexibility, adhesion and oil resistance.

PRODUCT DATA

Type : Two Pack, cured with Polyamide

Composition : Catalysed Epoxy resin suitably

Pigmented

Mixing Ratio : Base : Catalyst : 10 : 1 by volume

Pot Life : 6 - 8 hours

Application : Brush or Airless Spray

Recommended DFT : 40 - 50 microns per coat

Recommended WFT : 80 - 100 microns per coat

Theoretical Spreading Rate : 10.0 - 12.5 Sq. Mtr./Ltr.

Drying Time :

TOUCH : 60 - 90 minutes

HANDLE : 3-4 hours

HARD : 14 - 18 hours

Curing Time : 6 - 7 days

Overcoating Interval :

MIN : Overnight

MAX : 6 months

Flash Point : Above 22° C

Colour : Greys & Assorted shades

Finish : Smooth and semiglossy

Packing : 11 Ltrs.

Thinner/Cleaner : Thinner 844

Storage Life : Upto nine 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 & SPILLAGE	MILD FUMES / OUTDOOR RESISTANCE
Acids	V Good	V Good
Alkalis	V Good	V Good
Solvents	Good	Good
Salt	V Good	V Good
Water	V Good	V Good

Temperature Resistance :

: 93 ° C Continuous

: 120 ° C Intermittent

Weatherability : Excellent as system

Flexibility : Moderate

Abrasion Resistance : Very Good

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SURFACE PREPARATION

Steel : Remove grease, oil and other contaminants preferably by using Solvent cleaning as per SSPC SP1. Blast clean to a minimum SSPC SP 10. If blasting is not practical, make full use of mechanical tools along with manual chipping and wire brushing to remove loose rust and scale to SP2 or SP3. Excessive brushing of steel is to be avoided. Thoroughly dust down all surfaces. Performance and longevity will depend on the degree of surface cleaning achieved.

APPLICATION

Stir the components thoroughly and then mix base and catalyst in recommended proportions by volume to uniform consistency. Allow the mixture to mature for 30 minutes and stir again before application and during use. In order to achieve desired performance it is essential that the recommended film thickness is obtained. On sharp edges, bolt heads, flanges, etc., application of a stripe coat will assure freedom from skips or Airless Spray : Apply preferably without thinning. However, upto 5% Thinner 844 may be added if absolutely essential depending on conditions. Use any standard equipment having pump ratio 40 : 1. Tip Size 0.43 - 0.53 mm. Tip pressure : 110 - 160 Kg/Cm2 .

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	Zinc Anode 304 or Epilux 4 Z/R Primer	Epilux MIO Coating	Epilux Epoxy Coating	Epilux Epoxy Coating
-do-	Epilux 610 or Epilux 13 Primer	Epilux 610 or Epilux 13 Primer	Epilux Epoxy Coating	Epilux Epoxy Coating
-do-	Protectomastic	Epilux Epoxy Coating	Epilux Epoxy Coating	Epilux Epoxy Coating

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. Brush and spray equipment should be cleaned with Thinner 844, otherwise equipment is likely to be damaged.
4. Mix quantities which can be used off within the utilisation period.

Health & Safety : Please refer to the separate Safety Data Sheet available with detailed information.

DISCLAIMER

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