



Epilux HB MIO Coating

For protection of steel structures in a wide range of environments to include, marine atmospheric conditions, storage tanks, pipelines, conveyors etc., and in petrochemical, pulp & paper, fertilizer, chemical and power plants.

SCOPE

Recommended in a multi layer anti-corrosive system as an intermediate coat to provide excellent barrier protection. A high build epoxy coating with micaceous-iron-oxide as the primary pigment used in environments where moisture impermeability is of primary concern and in situations of long term over-coatability requirement.

PRODUCT DATA

Type : Two Pack

Composition : Epoxy Resin Pigmented with MIO and cured with polyamide

Mixing Ratio: 10:1

Application : Brush or Airless Spray

Pot Life: 3- 4 hrs @ 27 ± 3°C

Recommended DFT : 80- 100 microns per coat

Corresponding WFT : 129 – 161 microns per coat

Theoretical Spreading Rate : 6.2 – 7.8 sqmt/ltr/coat

Drying Time :

TOUCH : 2 hrs

HANDLE : 6- 8 hours

HARD : Overnight

Curing Time: 7 days

Overcoating Interval :

MIN: : Overnight

Flash Point : Above 25° C

Colour : Brown

Finish: Matt

Packing : 20 Ltrs.

Thinner/Cleaner : Thinner 844

Storage Life : Upto six 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	Fair Good	Fair Good
Alkalis	Good Very	Good Very
Solvents	Good	Good
Salt	Excellent	Excellent
Water		

Temperature Resistance :

Continuous : 93 ° C

Intermittent : 120 ° C

Weatherability : Excellent

Flexibility : Moderate

Abrasion Resistance : Good

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SURFACE PREPARATION

Remove grease, oil and other contaminants preferably by using a degreasing solvent. Abrasive blast clean to a minimum of Sa 2.5 Swedish Standard SIS 05 5900. If blasing is not practical, make full use of mechanical tools alongwith manual chipping and wire brushing to remove loose rust and scale to St. 2 Swedish Standard SIS 05 5900. Excessive burnishing of steel is to be avoided. Suggested primers are applied and dried well before application of intermediate coat. While overcoating after a long period, emery the surface before applying appropriate finish coat.

APPLICATION

Stir the contents thoroughly before and during use.

Brush : Apply preferably without thinning. However, add upto 5% Thinner 844 if required.

Airless Spray : Add upto 5% Thinner 844 if required. Use any standard equipment having pump ratio 45 : 1. Tip size 0.38 – 0.53 mm. Tip pressure 176 Kg/cm².

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
		Epilux HB MIO Coating	Epilux 89 HB Finish/ Epilux 155 HB/ Epilux 4 Enamel	Epilux 89 HB Finish/ Epilux 155 HB/ Epilux 4 Enamel
Steel	Epilux 610 Primer			
- do -	Epilux FRX AC Coating	Epilux HB MIO Coating	Berger Acr PU HB Coating/ Bergerthane Finish	Berger Acr PU HB Coating/ Bergerthane Finish
- do -	Zinc Anode 304 or Epilux 4 ZR Primer	Epilux HB MIO Coating	- do -	- do -
Galvanised Iron or Aluminium	Degrease and abrade the surface. Apply a coat of Bison Wash Primer followed by any of the above systems excluding the primer coats.			

Notes :

1. Do not overwork as wet edge properties are limited.
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 likely to be damaged.

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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