



Epilux 5 Coal Tar Epoxy

USES

An ideal coal tar epoxy for application in storage tanks, irrigation projects for water intake services (sluice and barrage gates, caissons, hydel penstocks, pipelines), protection of steel and concrete structures exposed or immersed in water.

SCOPE

A two pack epoxy tar coating having excellent water and chemical resistance. Recommended on mild steel surfaces for structural steel members or pipelines in marine/ chemical environments and works well along with cathodic protection systems. It withstands back filling material and is not affected by alkalinity or sulphates in soil water.

PRODUCT DATA

Type: Epoxy Coal Tar

Composition: Epoxy Coal tar suitably pigmented and cured with polyamide hardener

Volume Solids: 66 ± 2%

Mixing Ratio: 3:1 base: catalyst by volume

Pot Life: 4-6 hrs

Application: Brush and Airless Spray

Recommended DFT: 100- 125 microns per coat

Corresponding WFT : 152 –189 microns per coat

Theoretical Spreading Rate: 5.3 to 6.6 sqmts/ ltr

Drying Time: @30°C and 50% Rh

Touch 4 hrs

Hard 48 hrs

Overcoating Interval:

min	12- 14 hrs
max	2 weeks

Flash Point: Above 22° C

Colour: Black

Packing: 20 Ltrs.

Thinner/Cleaner: Thinner 844

Finish: Semi-glossy

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

Temperature Resistance :

Continuous	: 93 ° C
Intermittent	: 120°C

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SURFACE PREPARATION

Steel: Remove grease, oil and other contaminants preferably by using a degreasing solvent. Abrasive blast clean to a minimum of SSPC SP10 with a surface profile not exceeding 50-65 microns. 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 SSPC SP 11, cleaning to bare metal with a surface profile of 25 microns. Excessive burnishing of steel is to be avoided. The surface should be clean and dry before application of the Primer.

Concrete: Ensure complete cure of concrete and the surface is made rough free from laitance, loose concrete and old paint and other contaminants by brush-off blasting and high pressure water jet washing. The surface should be dry and free from surface moisture and should not be more than 5%. In non-critical areas hard wire brushing, water jet washing are minimum requisites.

APPLICATION

Mix the contents thoroughly before and during use.

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

Airless spray: Add upto 5% Thinner 844 if required. Use any standard equipment having pump ratio 40:1. Tip size 0.48.0.68 mm; tip pressure 180-220 kg / cm².

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat
Steel	Epilux 4 Zinc Rich Primer or Epilux 610 HB Primer	Epilux 5 Coal Tar Epoxy	Epilux 5 Coal Tar Epoxy
Steel	Protectomastic	Epilux 5 Coal Tar Epoxy	Epilux 5 Coal Tar Epoxy
Steel	Zinc Anode 304 MZ	Epilux 5 Coal Tar Epoxy	Epilux 5 Coal Tar Epoxy
Concrete	Epilux 4 Clear	Epilux 5 Coal Tar Epoxy	Epilux 5 Coal Tar Epoxy

Notes :

1. 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.
2. Primed steel work should not be exposed with one coat for a long period.
3. Ensure to apply paint when the substrate temperature is 3°C above the dew point temperature
4. 4th Coat is optional to enable building thickness of Epilux 5 Coal tar Epoxy

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

DISCLAIMER

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