PROTECTIVE & MARINE COATINGS

BERGER

Berger Epilux 5

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PRODUCT DESCRIPTION

Berger Epilux 5 is a high build epoxy polyamide combined with coal tar that has:

- Compatibility with cathodic protection
- Outstanding resistance to fresh water and salt water
- Good wear properties
- Excellent resistance to chemically polluted water (e.g. sewage)
- BS 5493 reference. Meets performance of KF 3B

DESIGNED USE

- Protection of steel/concrete pipelines, harbor and shore installations
- Anti-corrosive coating for submerged or semi-submerged areas e.g. piling, jetties, dock gates
- Internal tank lining for crude oil storage tanks

PHYSICAL DATA

VOLUME SOLIDS (based on ASTM D2697)	68% ± 2%
TYPICAL DRY FILM THICKNESS	150 microns
WET FILM THICKNESS	220 microns
THEORETICAL COVERAGE	4.05- 4.5 m^2/litre (161-179 sq ft per 3.7L) @ 150 microns DFT
COLOUR	Black and Brown
FINISH	Semi-Gloss

APPLICATION DETAILS

METHOD OF APPLICATION :

AIRLESS SPRAY	This is the recommended method of application: Maximum 5%Thinner may be added Tip Size: 0.48 - 0.68 mm (0.019- 0.027 in) Pressure: 110 - 160 kg/cm^2 (1600 - 2300 psi)
BRUSH OR ROLLER	May be used for difficult shapes or touch-up; however additional coats may be required to achieve the recommended film thickness.
CONVENTIONAL SPRAY	This is also a suitable method of application: Maximum 15% Thinner may be added Tip Size: 1.80 mm - 2.20 mm (0.071- 0.087 mm) Pressure: 40 - 50 psi (2.75 - 3.45) Kg/cm^2

DRYING TIME:

Surface Temperature	Touch Dry	Hard Dry	Recoating Interval		Pot Life
			Minimum	Maximum	
15°C	3 Hrs	20 Hrs	24 Hrs	10 Days	10 Hrs
25°C	2 Hrs	16 Hrs	16 Hrs	5 Days	4 Hrs
35°C	1 Hr	8 Hrs	8 Hrs	3 Days	3 Hrs

NO. OF COMPONENTS	Two
Mixing Ratio	3 parts Base to 2 part Hardener (by volume)
Application Conditions	Do not apply this product if the Relative Humidity exceeds 95% or if the substrate temperature is within 3°C of the dew point

ADDITIONAL INFORMATION

Thinner / Cleaning solvent	Solvalux 7- 45
Storage Instruction	Store in a cool shaded dry area
Flash Point	Mixed 36°C
Packaging	1 Gallon (3.7L) and 5 Gallons (18.9L)
Shelf Life	12 months from the date of Manufacturing

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SURFACE PREPARATION

This product should be applied to a surface that has been blast cleaned. It can be applied either directly to steel or to a suitable primed surface (e.g. EPILUX Primers or Cathozinc 302)

- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SPI
- Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface
- Abrasive blast clean to a minimum standard of Sa 2 1/2 Swedish Standard SIS 05 5900 or ISO 8501-1 : 1988
- Any surface defects revealed by blast cleaning should be ground, filled or treated in a suitable manner
- An average surface profile of 50 microns is acceptable, but this average should not exceed 75 microns
- After blasting, remove dust from the surface
- The surface to be coated must also be clean and dry

CONCRETE

Ensure that the surface is sound. Remove laitance by through wire-brushing, acid etching or sweep blasting. Blowholes and other defects should be filled with solventless epoxy filler. EPILUX 5 may be applied direct to the clean sound concrete providing the first coat is thinned

ALUMINIUM

Degrease and abrade with Solvalux 7-45 and wet-or-dry paper. Apply LUXAPRIME 1400. If the primer shows signs of breakdown, then a full sweep blast may be required prior to coating.

PRODUCT USE INSTRUCTIONS

- As with all epoxies, this product may chalk and lose gloss over a period if exposed continuously to sunlight
- Not suitable as a coating for the internal lining of potable water tanks
- Exposure to very low temperatures, high humidity or water ponding during and/or immediately after application may result in incomplete cure and / or discoloration that may compromise subsequent intercoat adhesion.
- If this product is exposed to rain shortly after application and water lays on the surface, a slight brown stain may occur. This will not affect the anti-corrosive performance of this product
- Dry heat resistance up to 120°C
- May also be applied between 100 and 150 Microns DFT

SAFETY PRECAUTIONS

- This product is based on a pitch epoxy binder
- Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use a barrier cream
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapor or spray
- This product is flammable. Keep away from sources of ignition. Do not smoke. Take precautionary measures against static discharge. In case of fire – blanket flames with foam, carbon dioxide or dry chemicals
- Refer to MSDS for further information.

FIRST AID

- **Eyes:** In the event of accidental splashes, flush eyes with water immediately and obtain medical advice
- **Skin:** Wash skin thoroughly with soap and water or approved industrial cleaner.
- DO NOT USE solvent or thinner
- **Inhalation:** Remove to fresh air, loosen collar and keep patient rested
- **Ingestion:** In case of accidental ingestion, **DO NOT INDUCE VOMITING**
- Obtain immediate medical attention

DISCLAIMER