BERGER® PAINTS

EPILUX 86

High build Rapid Curing Epoxy

PRODUCT SPECIFICATIONS

Product Description

A two component, high build, exothermically cured modified epoxy coating for excellent anticorrosion & barrier performance.

Design Feature

- A tough anti-corrosive coating for splash / tidal zones, pipelines, bridge / jetty pilings, other off shore steel structures etc.
- Excellent barrier coatings with anti-corrosive performance.
- Heavy duty coating with very good abrasion resistance and scratch hardness.
- Achieves up to 750 microns dry film thickness in a single coat application.

Physical Characteristics

Recommended Application Data	Wet [µm]	Dry [µm]	m²/l
Theoretical Coverage	250	200	4

Volume Solids	:	80 ± 3 % (based on ASTM D2697)
Dry Film Thickness Range	:	200 µm to 750 µm
Flash Point	:	50 °C
Finish	:	Semi-Gloss
Colour Range	:	Limited Colours
Standard Packing Size	:	20 litres set (16.0 Litres Base : 4.0 litres Hardener)
Mix Ratio (by volume)	:	4 Base : 1 Hardener

Application Method

AIRLESS SPRAY : Tip Size : 0.58 – 0.63 mm (23 - 25 thou)
Pressure : 140 – 165 kg/cm² (2000 – 2400 psi)

CONVENTIONAL AIR SPRAY : Possible application method. May require additional dilution to achieve good atomisation

BRUSH OR ROLLER : Possible application method. However, additional coats may be required to achieve the recommended film thickness. Suitable for stripe coating, weld-seams, edges, corners, rivets, etc.

Drying & Curing Time

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Min.	Max.	
15 °C	8 hours	16 hours	16 hours	5 days	3 hours
25 °C	4 hours	8 hours	8 hours	4 days	2 hours
35 °C	2 hours	4 hours	4 hours	3 days	1 hour

Useful Information

THINNER	:	SOLVALUX 7-45 (Maximum 10% Addition)
CLEANER	:	SOLVALUX 7-77
STORAGE	:	Store in a cool dry shaded area.
SHELF LIFE	:	24 months when stored as prescribed in the MSDS.

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Surface Preparation

The service life span and the service performance of EPILUX 86 is directly related to the degree of surface preparation.

STEEL

To avoid condensation of moisture onto substrate prior to coating application, relative humidity should not exceed 85% and substrate temperature should be more than 3°C above Dew Point.

- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SP1.
- Where necessaries 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 Sa2½ (ISO 8501-1:1988) or SSPC-SP6.
- Any surface defects revealed by blast cleaning should be ground, filled or treated in a suitable manner.
- An average surface profile of 100 microns is acceptable but this average should not exceed 125 microns.
- After blasting, remove dust from the surface.
- The surface to be coated must be clean and dry.
- Apply EPILUX 86 or suitable primer immediately after blasting to prevent oxidation and recontamination of the steel surface. In case of oxidation or recontamination, re-blast to the required standard

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Suitable Primers Epilux 610, Zincanode 668, Zincanode 685

Suitable Finishes Luxathane 5150HS, Luxathane 5075

Notes

- The coating specifications given above are typical. For specific recommendations to suit individual applications, please refer to your Berger Paints representative.
- Common to all epoxies this product will experience chalking on prolonged exposure to sunlight. However, this phenomenon is not detrimental to coating performance.
- Exposure to very low temperatures, high humidity or water ponding during and / or immediately after application may result in incomplete cure and / or discolouration that may compromise subsequent intercoat adhesion.

Safety Precaution

- Avoid contact with eyes and skin. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapour or spray mist.
- 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.

First Aid

Eyes : In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.

Skin : Wash skin thoroughly with soap and water or approved industrial cleaner. Do Not Use solvents or thinners.

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.

For further safety information, please refer to our **Material Safety Data Sheet (MSDS)**

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