BERGER® PAINTS

EPILUX 58

Epoxy M.I.O Intermediate

PRODUCT SPECIFICATIONS

Product Description

A two component high build polyamide cured epoxy coating, specially formulated with micaceous iron oxide to enhance toughness and achieve good barrier and chemical resistance properties.

Design Feature

- As an anti-corrosive build or finish coat in mild to aggressive environments.
- Outstanding anti-corrosive barrier performance.
- Very good durability.
- Excellent resistance to abrasion.
- Suitable as an intermediate coat where long term re-coating ability is required.
- Withstands dry heat up to 100° C continuous and 120° C intermittent.

Physical Characteristics

Recommended Application Data	Wet [µm]	Dry [µm]	m²/l
Theoretical Coverage	167	100	6

Volume Solids	:	60% (based on ASTM D2697)
Dry Film Thickness Range	:	100 µm to 150 µm per coat
Flash Point	:	34 °C
Finish	:	Metallic Sheen
Colour	:	Dark Grey, Silver Grey
Packing	:	20 litres set (16.67 litres Base : 3.33 litres Hardener)
Mix Ratio (by volume)	:	5 Base : 1 Hardener

Application Method

AIRLESS SPRAY : Tip Size : 0.53 – 0.63 mm (21 – 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

Abient Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Min.	Max.	
15 °C	6 hours	12 hours	12 hours	Indefinite	8 hours
25 °C	4 hours	8 hours	8 hours	Indefinite	4 hours
35 °C	2 hours	6 hours	6 hours	Indefinite	2 hours

Useful Information

THINNER	:	SOLVALUX 7-45 (Maximum 5% addition)
CLEANER	:	SOLVALUX 7-77
STORAGE	:	Store in a cool dry shaded area.
SHELF LIFE AT 25 °C	:	18 months when stored as prescribed in the MSDS.

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Surface Preparation

The service life span and the service performance of EPILUX 58 is directly related to the degree of surface preparation

STEEL

- EPILUX 58 should be applied to a surface that has been blast cleaned and suitably primed (e.g. with EPILUX 610 or ZINCANODE 668).
- The underlying system should be intact, sound and undamaged. The primer should be either 2 pack epoxies, polyurethane or zinc silicates.
- Ensure that the surface to be over-coated is clean, dry, and free from dust, grease and oil, or any other surface contaminants.
- A fresh water wash must follow to remove all soluble salts.
- Always ensure that the maximum over-coating time for the primer / build coat is not been exceeded prior to application.

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.

Typical Coating Specification

Substrate Surface	Priming	2nd Coat	3rd Coat	4th Coat
STEEL	EPILUX 610	EPILUX 58	LUXATHANE 5000 Series	LUXATHANE 5000 Series
STEEL	ZINCANODE 668	EPILUX 58	EPILUX 4	EPILUX 4

- Two topcoats may be necessary to cover EPILUX 58 coating surface if a light colour topcoat is required.
- 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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