BERGER® PAINTS

EPILUX 800

Epoxy Primer for Stainless Steel Substrates

PRODUCT SPECIFICATIONS

Product Description

A two component epoxy Polyamide primer specially formulated with zinc free pigments for use on stainless steel substrates.

Design Feature

- An epoxy anti-corrosive primer for use on stainless steel substrates.
- Also suitable for use on steel substrates.
- Excellent anti-corrosive performance on both steel and stainless steel.
- Good wetting properties and outstanding adhesion to blasted stainless steel.
- Good chemical and abrasion resistance.
- Suitable for use as a tie-coat over inorganic zinc silicate coatings.

Physical Characteristics

Recommended Application Data	Wet [µm]	Dry [µm]	m²/l
Theoretical Coverage	56	25	18

Volume Solids	:	45% (based on ASTM D2697)
Dry Film Thickness Range	:	25 µm to 50 µm
Flash Point	:	25 °C
Finish	:	Matt
Colour Range	:	Red Oxide
Standard Packing Size	:	5 litres set (3.75 litres Base : 1.25 litres Hardener)
Mix Ratio (by volume)	:	3 Base : 1 Hardener

Application Method

AIRLESS SPRAY Recommended method of application	:	Tip Size : 0.38 – 0.48 mm (15 – 19 thou) Pressure : 110 – 160 kg/cm² (1600 – 2300 psi)
CONVENTIONAL AIR SPRAY	:	May be used.
BRUSH OR ROLLER	:	May be used. 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	2 hours	10 hours	16 hours	Indefinite*	9 hours
25 °C	1 hours	6 hours	8 hours	Indefinite*	6 hours
35 °C	45 minutes	4 hours	6 hours	Indefinite*	3 hours

Useful Information

THINNER	:	SOLVALUX 7-45 or 7-33 (Maximum 10% Addition)
CLEANER	:	SOLVALUX 7-77
STORAGE	:	Store in a cool dry shaded area.
SHELF LIFE AT 25 °C	:	12 months minimum when stored as prescribed in the MSDS.

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Surface Preparation

The service life span and the service performance of EPILUX 800 are directly related to the degree of surface preparation.

STEEL / STAINLESS STEEL

- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SP1. Where necessary removes weld spatter and round off all rough weld seams and sharp edges to a smooth surface.
- Power tool clean to a minimum standard of St 3 SIS 05 59 00. For optimum performance abrasive blast clean to a minimum standard of Sa2½ (ISO 8501-1:1988) or SSPC-SP10. An average surface profile of 50 to 75 microns is acceptable.
- For blasting of stainless steel, only aluminium oxide grit should be used. Do not use copper slag or other abrasives. For power tool wire brushing, use only stainless steel wire brushes.
- Ensure that all surface defects detected after cleaning is ground, filled or treated in a suitable manner.
- After cleaning, remove dust from the surface and ensure surface to be coated is clean.

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.

Suitable Finish Overcoats

Epilux 218, Epilux 58, Epilux 58HS, Epimastic 3000HS, Epimastic 3100, Epimastic 5100, Epilux 82, Luxol 5000, Epilux 4, Luxathane 5075, Luaxthane 5150HS, Luxthane 5000HB, Epilux 155, Epilux 155SF, Epilux 518, Epilux 815, Epilux 816, Epilux 816SF

Notes

- For details of other systems, consult 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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