BERGER PAINTS PROTECTIVE COATINGS

EPILUX 78

High Build Epoxy Anti-Corrosive Primer

PRODUCT DESCRIPTION

A two pack high build high performance epoxy primer containing zinc phosphate pigments.

- Single coat high build application.
- High build anti-corrosive primer with good abrasion resistance.

DESIGNED USE

- Anti-corrosive blast primer for tank exteriors, structural steelwork, chemical plant pipelines and cranes.
- EPILUX 78 may be over coated with Berger's single and two pack coatings.
- As a primer for intumescent fire proofing products
- Suitable as primer for upto C4 Environment as per ISO12944 Part 2 along with suitable intermediate and topcoats

PHYSICAL DATA

VOLUME SOLIDS (Based on ASTM D2697)	57 % ± 2 %
TYPICAL DRY FILM THICKNESS	75 microns
WET FILM THICKNESS	130 microns
THEORETICAL COVERAGE	7.6 m^2/litre @ 75 microns DFT
VOC "As Supplied" (Based on ASTM D3960)	380 gms/ltr
COLOUR	Red Oxide, Grey
FINISH	Slight Sheen

APPLICATION DETAILS

METHOD OF APPLICATION :

AIRLESS SPRAY	This is the recommended method of application: Maximum 5% Thinner may be added. Tip Size: 0.38 - 0.48 mm (0.015 - 0.019 in) Pressure: 125 - 160 kg/cm^2 (1800 – 2300 psi)
CONVENTIONAL SPRAY	This is also a suitable method of application. Maximum 20% Thinner may be added Tip Size: 1.80 - 2.20 mm (0.071 - 0.087 in) Pressure: 2.75 - 3.45 kg/cm^2 (40 - 50 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. Thinner (max 5%)

DRYING TIME:

Surface Temperature	Touch Dry	Hard Dry	Re coating Interval		Pot Life
			Minimum	Maximum	
15°C	3 Hrs	24 Hrs	20 Hrs	Indefinite	16 Hrs
25°C	2 Hrs	16 Hrs	18 Hrs	Indefinite	6 Hrs
35°C	1 Hr	12 Hrs	10 Hrs	Indefinite	4 Hrs
45°C	45 mins	8 Hrs	8 Hrs	Indefinite	2 Hrs

NO. OF COMPONENTS	Two
Mixing Ratio	4 parts Base to 1 part Hardener (by volume)
Application Conditions	Do not apply this product if the Relative Humidity exceeds 85% 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 15°C
Packaging	5 liters & 20 liters
Shelf Life	12 months from the date of manufacture.

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SURFACE PREPARATION

This product should be applied to a surface that has been blast cleaned.

- 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 ½ Swedish Standard SIS 05 59 00 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.
- If applied over zinc ensure that the surface is fully cured and free from zinc salts prior to painting with EPILUX 78

PRODUCT USE RESTRICTIONS

- EPILUX 78 will not cure below 10°C
- Dry heat resistant up to 120°C
- As common with all Epoxy products, this product also will tend to discolour and chalk on exposure to direct sunlight
- May also be applied between 50 and 75 Microns DFT
- Contact Berger Representative for suggesting suitable paint system

SAFETY PRECAUTIONS

- 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 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

DISCLAIMER

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