

EPILUX 74

Epoxy Anticorrosive Primer



PRODUCT DESCRIPTION

A High Build Epoxy-Polyamide Primer containing Zinc Phosphate anticorrosive pigment. This material is specially designed to give excellent corrosion resistance at 50 – 200micron DFT under medium corrosive environment condition.

DESIGNED USE

- As a Epoxy Primer for medium corrosive environment condition.
- As a chemically resistant primer for steel structure, process equipment & pipe work etc.
- As an anticorrosive undercoat to Intumescent coating.

PHYSICAL DATA

VOLUME SOLIDS (based on ASTM D2697)	78% $\pm$ 2%
TYPICAL DRY FILM THICKNESS	50 - 200 microns
WET FILM THICKNESS	65 – 257 microns
THEORETICAL COVERAGE	15.6 m ² /litre @ 50 microns DFT
VOC (ASTM 3960)	200gms/liter
COLOUR	Red oxide and Grey
FINISH	Matt

APPLICATION DETAILS

METHOD OF APPLICATION:	
AIRLESS SPRAY	This is the recommended method of application: 10 - 60% Thinner may be added to achieve desired DFT Tip Size: 0.48-0.53 mm (0.019-0.021 in) Pressure: 110-160 kg/cm ² (1600-2300 psi)
CONVENTIONAL SPRAY	This is also a suitable method of application. Maximum 40% Thinner may be added Tip Size: 1.80 mm - 2.20 mm (0.071-0.087 in) Pressure: 40-50 psi (2.75-3.45 kg/cm ²)
BRUSH OR ROLLER	May be used for difficult shapes or touch-up; however additional coats may be required to achieve the recommended film thickness. This method of application is recommended for stripe coating welds, edges, rivets etc.

DRYING TIME:

Surface Temperature	Touch Dry	Hard Dry	Over coating Interval		Pot Life
			Minimum	Maximum	
25°C	1.5 Hrs	16 Hrs	4.0 Hrs	7 Days	4 Hrs
35°C	1 Hr	12 Hrs	3.5 Hrs	7 Days	3 Hrs
45°C	40 Min.	8 Hrs	2.5 Hrs	7 Days	1.5 Hrs

NO. OF COMPONENTS	Two
Mixing Ratio	7 Parts Base to 1 Part hardner 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 36°C
Packaging	20 Liters
Shelf Life	24 months from the date of manufacture.

SURFACE PREPARATION

For best results, the surface should be treated as follows prior to painting,

- Remove all wax, oil and grease by solvent cleaning in accordance with the guide lines given by SSPC-SPI.
- Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface. Special care must be taken on weld areas to remove flux and spatter. Welds should be ground back to avoid pockets where corrosion can occur.
- Abrasive blast clean to a minimum standard of Sa 2 ½ 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 30 microns is acceptable, Ensuring there is minimum 30µ of coating above the peak profiles.
- After blasting, remove dust from the surface.
- The cleaned surface should be coated before it becomes contaminated. The surface to be coated must also be clean and dry.
- The product can be over coated with Berger range of 2 pack products.

PRODUCT USE INSTRUCTIONS

- This product is designed as a primer/Undercoat. Being a primer/Undercoat the color may vary from batch to batch.
- If directly exposed to sunlight and outdoor conditions this product will chalk as in case with all epoxy products.
- This product is not suitable for use in immersed conditions.
- Dry heat resistant up to 120°C

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

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.