

EPI LUX 610

PROTECTIVE COATING

Epoxy Anti-Corrosive Primer

PRODUCT DESCRIPTION

An easy-to-apply epoxy polyamide anti-corrosive primer that can be used on interior or exterior steel. It is a strong, versatile rust-preventing coating.

- Excellent chemical resistance.
- Good abrasion resistance.

DESIGNED USE

- Suitable for over coating with epoxies, polyurethanes, vinyl's and chlor-rubbers.
- Blast or holding primer for use in tanks and on all steel in marine and other corrosive environments.
- Tie coat over zinc silicates.
- Suitable as primer for upto C5 Environment as per ISO12944 Part 2 along with suitable intermediate and topcoats.

PHYSICAL DATA

Properties	Value
Volume solids (Based on ASTM D 2697)	42 % + 2 %
Typical dry film thickness	40 microns
Wet film thickness	95 microns
Theoretical coverage	10.5 m ² /litre @ 40 microns DFT
VOC "As Supplied" (Based on ASTM D 3960)	509 gms/ltr
Colour	Red oxide
Gloss level	Matt

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: 110 - 160 kg/cm² (1600 - 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/cm² (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.

Drying Time

Surface Temperature	Touch Dry	Hard Dry	Re coating Interval		Pot Life
			Min.	Max.	
15°C	3 Hrs	12 Min	16 Hrs	90 Days	10 Hrs
25°C	2 Hrs	8 Min	12 Hrs	45 Days	6 Hrs
35°C	1 Hr	6 Min	8 Hrs	25 Days	4 Hrs
45°C	40 Min	4 Min	6 Hrs	20 Days	2 Hrs

Properties	Value
No. of components	Two
Mixing ratio (by volume)	3 parts Base to 1 part Hardener
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

Properties	Value
Thinner / Cleaning solvent	Solvalux 7-45
Storage instruction	Store in a cool shaded dry area
Flash point	Mixed 20°C
Packaging	5 liters & 20 liters
Shelf life	12 months from the date of manufacture

SURFACE PREPARATION

- 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.
- 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 40 microns is acceptable, but this average should not exceed 50 microns.
- After blasting, remove dust from the surface.
- The surface to be coated must also be clean and dry.

PRODUCT USE RESTRICTIONS

- The product will not cure below 5°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 40 & 50 Microns DFT.
- Contact Asian Paints 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

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.