EPILUX 71

PROTECTIVE COATING

High-Build Universal Epoxy Primer

PRODUCT DESCRIPTION

A two-pack, high-build, high-performance Epoxy primer with:

- Excellent anti-corrosive properties.
- Excellent abrasion resistance & adhesion to Mild Steel, Galvanized Iron, Stainless Steel, aluminum, copper etc.
- Good recoatability and curing in wide range of climatic conditions.
- Good chemical and water resistance.

DESIGNED USE

- Anti-corrosive blast primer for tank exteriors, structural steelwork, chemical plant pipelines and cranes.
- EPILUX 71 may be over coated with Asian Paints Berger's single and two pack coatings.
- 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)	80% + 2%
Typical dry film thickness	75 microns
Wet film thickness	100 microns
Theoretical coverage	10.67 m^2/litre @ 75 microns DFT
VOC "As Supplied" (Based on ASTM D 3960)	< 250 gms/ltr
Colour	Grey
Finish	Matt

METHOD OF APPLICATION

Airless Spray:

This is the recommended method of application:
10 - 30% 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 Tempe--rature	Touch Dry	Hard Dry	Re coating Interval		Pot Life
			Min.	Max.	
15°C	6 Hrs	26 Hrs	22Hrs	30 Days	6 Hrs
25°C	4 Hrs	22 Hrs	18 Hrs	30 Days	3 Hrs
35°C	3 Hrs	16 Hrs	12 Hrs	30 Days	2 Hrs
45°C	1½ Hrs	12 Hrs	8 Hrs	30 Days	1 Hr

Properties	Value
No. of components	Two
Mixing ratio (by volume)	4 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 36°C
Packaging	20 Liters
Shelf life	12 months from the date of manufacture

SURFACE PREPARATION

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

- 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.

For Non ferrous metal such as GI, Aluminium & Copper: Wire brushing / emery paper cleaning to remove all traces of adherent dirt etc. Then clean the surface with Berger tool cleaner prior to painting with Epilux 71.

PRODUCT USE RESTRICTIONS

- This product is designed as a primer. Being a primer 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.
- Dry heat resistant up to 120°C.
- May also be applied between 60 & 200 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.