

Technical Data Primers and Ancillaries

Epilux 70

Universal Epoxy Primer

Product Description

A two pack high build high performance epoxy primer with:

- Excellent anti-corrosive properties.
- Excellent abrasion resistance and 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.
- Suitable for variety of ferrous and non ferrous metals.

Designed Use

- Anti-corrosive blast primer for tank exteriors, structural steelwork, chemical plant pipelines and cranes.
- Epilux 70 may be over coated with 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

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	: Grey
Finish	: Matt to Eggshell

Application Details

- **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/cm² (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/cm² (40 – 50 psi)
- **Brush or Roller**: This is also a suitable method of application. Maximum 20% Thinner may be added.

Drying time	Surface Temperature	Touch Dry	Hard Dry	Re coating Interval		Pot Life
				Minimum	Maximum	
	15°C	6 hours	26 hours	22 hours	30 days	16 hours
	25°C	4 hours	22 hours	18 hours	30 days	6 hours
	35°C	3 hours	16 hours	12 hours	30 days	4 hours
	45°C	1½ hours	12 hours	8 hours	30 days	2 hours
No. of Components	Two					
Mixing Ratio	As per pack size					
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 < 29°C
Packaging	: 5 litres and 20 litres
Shelf Life	: 24 months from the date of manufacture

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.

For non ferrous metal such as GI, Aluminium and 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 70.

Product Use Restrictions

- Epilux 70 will not cure below 10°C
- Dry heat resistance 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 75 and 200 Microns DFT
- Contact Representative for suggesting suitable paint system.

Safety Information And Precautions

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 vapour 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.

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