

Technical Data Primers and Ancillaries

Epilux 58

High Build Epoxy M.I.O.

Product Description

Polyamide cured epoxy reinforced with micaceous iron oxide that provides a tough chemical resistant build/finish coat.

- Lamellar pigment with excellent water and chemical resistance.
- Resistant to moisture, salt spray, mineral oil.
- Excellent resistance to abrasion.
- Very good durability.
- BS 5493 reference. Meets performance of KUID and KFIF.

Designed Use

- As a build coat for structural steel in onshore and offshore environments.
- As an intermediate coat where long term recoat ability is required.
- Suitable as intermediate for upto C5 Environment as per ISO12944 Part 2 along with suitable topcoats.

Physical Data

Volume Solids (Based on ASTM D2697)	: 60% + 2%
Typical Dry Film Thickness	: 125 microns
Wet Film Thickness	: 208 microns
Theoretical Coverage	: 4.8 m ² /litre @ 125 microns DFT
VOC "As Supplied" (Based on ASTM D3960)	: 350 gms /ltr
Colour	: Dark Grey, Light Grey
Finish	: Metallic Semi - Matt

Application Details

- **Airless Spray** : This is the recommended method of application: Maximum 5% Thinner may be added.
Tip Size: 0.48 - 0.53 mm (0.019 - 0.021 in)
Pressure: 140 - 165 kg/cm² (2000 - 2400 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.

	Surface Temperature	Touch Dry	Hard Dry	Re coating Interval		Pot Life
				Minimum	Maximum	
Drying time	15°C	12 hours	24 hours	24 hours	Indefinite	8 hours
	25°C	6 hours	16 hours	16 hours	Indefinite	4 hours
	35°C	3 hours	8 hours	8 hours	Indefinite	3 hours
	45°C	2 hours	6 hours	6 hours	Indefinite	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 36°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 and suitably primed (e.g. Epilux or Zincode Primers). The primer should be applied to a surface that has been cleaned as follows:

- 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.
- After blasting, remove dust from the surface.
- The surface to be coated must also be clean and dry.

Product Use Restrictions

- As common with all epoxies, this product is likely to chalk when exposed to direct sunlight. This will result in a loss in gloss.
- If recoating with conventional coatings, this must be done within 24 hours.
- Dry heat resistant up to 130°C.
- May also be applied between 75 and 150 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.

This Technical Data Sheet supersedes those previously issued with immediate effect