

## 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.

### Designed Use

- As a build coat for structural steel in onshore and offshore environments.
- As an intermediate coat where long term recoatability is required.

<b>Physical Data</b>	Volume Solids (Based on ASTM D2697)	60% ±2%
	Typical Dry Film Thickness	125 microns
	Wet Film Thickness	208 microns
	Theoretical Coverage	4.8 m <sup>2</sup> /litre @ 125 microns DFT
		4.0 m <sup>2</sup> /litre @ 150 microns DFT
	Colour	Silver Grey
	Finish	Metallic Semi - Matt

<b>Application Details</b>	<b>Method Of Application</b>	
	<b>Airless Spray</b>	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/cm <sup>2</sup> (2000 - 2400 psi)
	<b>Conventional Spray</b>	Can also be used, however care should be taken to build up thickness
	<b>Brush Or Roller</b>	May be used. However, additional coats may be required to achieve the recommended film thickness.

<b>Drying Time</b>					
Surface Temperature	Touch Dry	Hard Dry	Recoating Interval		Pot Life
			Minimum	Maximum	
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

<b>No. of Components</b>	Two
Mixing Ratio	5 parts base to 1 part hardener (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

<b>Additional Information</b>	Thinner/Cleaning Solvent	Solvalux 7-45
	Storage Instruction	Store in a cool shaded dry area
	Flash Point	Mixed 27°C
	Packaging	20 litres
	Shelf Life	12 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 Primers or ZINCANODE 600). While applying on fine rich primers, solvent popping may happen. Suggest a diluted mist coat or epoxy tie coat before full coat application. 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 2½ 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 with all epoxies, this product is likely to chalk when exposed to direct sunlight. This will result in a loss in gloss.
- If overcoating with conventional coatings, this must be done within 24 hours.
- Dry heat resistance upto 120°C.
- Product will not cure below 5°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 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.
- Dispose off as hazardous waste, Consult local authority

### 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.
- 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  
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