

EPILUX 58 M.I.O.

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.

PHYSICAL DATA

VOLUME SOLIDS (Based on ASTM D2697)	60 % $\pm$ 2 %
TYPICAL DRY FILM THICKNESS	125 microns
WET FILM THICKNESS	208 microns
THEORETICAL COVERAGE	4.8 m ² /litre @ 125 microns dft
COLOUR	Dark Grey, Light Grey
FINISH	Metallic Semi-matt

APPLICATION DETAILS

METHOD OF APPLICATION :

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.

DRYING TIME:

Surface Temperature	Touch Dry	Hard Dry	Re coating Interval		Pot Life
			Minimum	Maximum	
15°C	12 Hrs	24 Hrs	24 Hrs	Indefinite	8 Hrs
25°C	6 Hrs	16 Hrs	16 Hrs	Indefinite	4 Hrs
35°C	3 Hrs	8 Hrs	8 Hrs	Indefinite	3 Hrs
45°C	2 Hrs	6 Hrs	6 Hrs	Indefinite	2 Hrs

NO. OF COMPONENTS

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

ADDITIONAL INFORMATION

Thinner / Cleaning solvent	Solvalux 7-45
Storage Instruction	Store in a cool shaded dry area
Flash Point	Mixed 36°C
Packaging	5 liters & 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 and suitably primed (e.g. EPILUX Primers or ZINCANODE 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 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.
- 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 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.

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.