

PROTECTIVE & MARINE COATINGS

Berger Epilux 610



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PRODUCT DESCRIPTION

Berger Epilux 610 is an easy-to-apply epoxy polyamide anti-corrosive primer pigmented with zinc phosphate. It is a strong, versatile rust-preventing coating.

- Excellent chemical resistance
- Good abrasion resistance

DESIGNED USE

- Suitable for overcoating with epoxies, polyurethanes and vinyl.
- Blast or holding primer for use in tanks and on all steel in marine and other corrosive environments
- Tie coat over zinc silicates

PHYSICAL DATA

VOLUME SOLIDS (based on ASTM D2697)	42% ± 2%
TYPICAL DRY FILM THICKNESS	40 microns
WET FILM THICKNESS	95 microns
THEORETICAL COVERAGE @ 40 microns DFT	9.5- 10.5 m ² /litre (378-418 sq ft per 3.7L) sq ft per 3.7L)
COLOUR	Red Oxide
FINISH	Matt

APPLICATION

DETAILS

METHOD OF APPLICATION :

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: 110 - 160 kg/cm ² (1600 - 2300 psi)
CONVENTIONAL SPRAY	This is also a suitable method of application: Maximum 20% Thinner may be added Tip Size: 1.80 mm - 2.20 mm (0.071- 0.087 mm) 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

DRYING TIME:

Surface Temperature	Touch Dry	Hard Dry	Over-coating Interval		Pot Life
			Minimum	Maximum	
15°C	3 Hrs	12 Hrs	16 Hrs	90 Days	16 Hrs
25°C	2 Hrs	8 Hrs	12 Hrs	45 Days	6 Hrs
35°C	1 Hrs	6 Hrs	8 Hrs	25 Days	4 Hrs
NO. OF COMPONENTS		Two			
Mixing Ratio		3 parts Base to 1 part Hardener (by volume)			
Application Conditions		Do not apply this product if the Relative Humidity exceeds 95% 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 20°C
Packaging	3.7 Litres and 18.9 Litres
Shelf Life	12 months from the date of Manufacture

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SURFACE PREPARATION

- 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 ISO 8501-1
- Any surface defects revealed by blast cleaning should be ground, filled or treated in a suitable manner.
- An average surface profile of 40 microns is acceptable, but this average should not exceed 50 microns.
- After blasting, remove dust from the surface.
- The surface to be coated must also be clean.

PRODUCT USE INSTRUCTIONS

- The product will not cure below 5°C
- Dry heat resistant up to 120°C
- May also be applied between 25 and 50 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 thinner.**
- 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.

For specific recommendations, contact ANSA Coatings Technical Service Department. Version 4 Jan 2025

