

PROTECTIVE & MARINE COATINGS

GENERAL EPOXY COATINGS: Berger Epilux 4



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PRODUCT DESCRIPTION

Berger Epilux 4 is a two-component epoxy-polyamide pigmented with durable pigments giving a glossy topcoat with:

- High resistance to impact and abrasion
- Good adhesion to aged epoxy coatings
- Resistance to spillage or splashes of mild chemicals
- BS 5493 reference. Meets performance of KFIA

DESIGNED USE

- A high gloss finish with anticorrosive properties for steelwork, non-ferrous substrates and concrete
- Suitable as a tank lining for aviation fuel tanks

PHYSICAL DATA

| | |
|-----------------------------------------------|-----------------------------------------------------------------------------|
| VOLUME SOLIDS (based on ASTM D2697) | 52% ± 2% |
| TYPICAL DRY FILM THICKNESS | 50 microns |
| WET FILM THICKNESS | 96 microns |
| THEORETICAL COVERAGE | 8.42-9.36 m ² /litre (343-381 sq ft per 3.7L) @50 microns DFT |
| COLOUR | As per Shade Card |
| FINISH | Full Gloss |

APPLICATION DETAILS

METHOD OF APPLICATION :

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|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AIRLESS SPRAY | This is the recommended method of application: Maximum 5% Thinner may be added Tip Size: 0.28 - 0.38 mm (0.015- 0.019 in) Pressure: 130 - 160 kg/cm ² (1800 - 2300 psi) |
| CONVENTIONAL SPRAY | This is also a suitable method of application: Maximum 20% Thinner may be added Tip Size: 1.80mm - 2.20mm (0.071- 0.087mm) 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. Thinner (max 2%) |

DRYING TIME:

| Surface Temperature | Touch Dry | Hard Dry | Recoating Interval | | Pot Life |
|---------------------|-----------|----------|--------------------|---------|----------|
| | | | Minimum | Maximum | |
| 15°C | 3 Hrs | 20 Hrs | 24 Hrs | 10 Days | 10 Hrs |
| 25°C | 2 Hrs | 16 Hrs | 16 Hrs | 5 Days | 4 Hrs |
| 35°C | 1 Hr | 8 Hrs | 8 Hrs | 3 Days | 3 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 30°C |
| Packaging | 3.7 Litres & 18.9 Litres |
| Shelf Life | 12 months from the date of Manufacturing |

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SURFACE PREPARATION

- This coating is usually applied over 2 pack epoxies, zinc silicates
- The surface to be overcoated must be dry and free from surface contaminants
- All wax, oil and grease should be removed by solvent cleaning in accordance with the guidelines given by SSPC-SPI
- Soluble salt, dirt and dust must be removed prior to applying the coating. Dry brushing should be sufficient. A freshwater wash must follow to remove all soluble salts
- Always ensure the maximum overcoating time for the primer/build coat has not been exceeded prior to application

PRODUCT USE INSTRUCTIONS

- As is common with all epoxies this product will chalk on exposure to direct sunlight
- Dry heat resistance up to 120°C
- May also be applied between 30 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 Coating Technical Service Department. Version 4 Jan 2025

