# EPILUX 8

Coal Tar Epoxy

## PRODUCT DESCRIPTION

A two component, coal tar epoxy anti-corrosive protective coating.

## DESIGN FEATURES

An anti-corrosive protective coating that is ideal for total, partial or intermittent submerged structures such as, pilings, pontoons, jetties, dock gates, concrete pipelines, ballast tanks etc.
Outstanding anti-corrosive performance with excellent fresh and seawater resistance.
Compatible with cathodic protection.
Good abrasion resistance.
Able to withstand continuous dry heat of up to 100°C & intermittent at 120°C.
Can achieve 400 microns dry film thickness in a single coat application.

## PHYSICAL CHARACTERISTICS

| Recommended Application Data | Wet [µm] | Dry [µm] | $m^2/l$ |
|---|---|---|---|
| Theoretical Coverage | 147 | 125 | 6.8 |

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| Volume solids | 85 % (based on ASTM D2697) |
| Dry Film Thickness Range | 125 µm to 400 µm |
| Flash Point | 36 °C |
| Finish | Gloss |
| Colour Range | Black & Brown |
| Standard Packing Size | 20 litres set ( 15.0 litres Base : 5.0 litres Hardener ) |
| Mix Ratio ( by volume ) | 3 Base : 1 Hardener |

## APPLICATION METHOD

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| AIRLESS SPRAY Recommended method of application | Tip Size : 0.58 – 0.63 mm ( 23 – 25 thou )<br>Pressure : 140 –165 $kg/cm^2$ (2000 – 2400 psi) |
| CONVENTIONAL AIR SPRAY | May be used. May require additional dilution to achieve good atomisation. |
| BRUSH OR ROLLER | May be used. However, additional coats may be required to achieve the recommended film thickness. Suitable for stripe coating, weld-seams, edges, corners, rivets, etc. |

## DRYING & CURING TIME

| Ambient Temperature | Touch Dry | Hard Dry | Overcoating Interval | | Pot Life |
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| | | | Minimum | Maximum | |
| 15 °C | 12 hours | 24 hours | 24 hours | 10 days | 6 hours |
| 25 °C | 8 hours | 18 hours | 18 hours | 5 days | 3 hours |
| 35 °C | 4 hours | 12 hours | 12 hours | 3 days | 2 hours |

## USEFUL INFORMATION

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| THINNER | : | SOLVALUX 7-45 or 7-33 ( Maximum 10% addition) |
| CLEANER | : | SOLVALUX 7-77 |
| STORAGE | : | Store in a cool dry shaded area. |
| SHELF LIFE AT 25 ºC | : | 12 months minimum when stored as prescribed in the MSDS. |

## SURFACE PREPARATION

The service life span and the service performance of EPILUX 8 are directly related to the degree of surface preparation.

STEEL

This product should be applied to a surface that has been blast cleaned. It can be applied either directly to steel or suitably primed surface (e.g. EPILUX 610 or ZINCANODE 685).

- Remove all wax, oil and grease by solvent cleaning as per the guidelines of SSPC-SP1.
- Where necessaries 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 Sa2½ (ISO 8501-1:1988) or SSPC-SP10. An average surface profile of 50 to 75 microns is required. Any surface defects revealed by blast cleaning should be ground, filled or treated in a suitable manner.
- After blasting, remove dust from the surface and ensure that the surface is clean and dry.
- Apply suitable primer immediately after blasting to prevent oxidation and recontamination of the steel surface. In case of oxidation or recontamination, re-blast to the required.

CONCRETE

- Ensure that the surface is sound. Remove laitence by thorough wire brushing, acid etching or sweep blasting. Blowholes and other defects should be filled with Solventless Epoxy Filler. Thin EPILUX 8 by 20% and apply direct to the clean sound concrete.

To avoid condensation of moisture onto substrate prior to coating application, relative humidity should not exceed 85% and substrate temperature should be more than 3 °C above Dew Point.

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| **SUITABLE PRIMERS** | Epilux 610, Epilux 78, Zincanode 685, Zincanode 668 |
| **SUITABLE FINISH COATS** | Epilux 8 |

## NOTES

- The coating specifications given above are typical. For specific recommendations to suit individual applications please refer to your Berger Paints representative.
- Common to all epoxies this product will experience chalking on prolonged exposure to sunlight. However, this phenomenon is not detrimental to coating performance.
- Exposure to very low temperatures, high humidity or water ponding during and/or immediately after application may result in incomplete cure and/or discolouration that may compromise subsequent intercoat adhesion.

## SAFETY PRECAUTION

**This product contains coal tar pitch.**

Avoid contact with eyes and skin. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use barrier cream.

Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapour or spray mist.

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.

## FIRST AID

**Eyes** : In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.

**Skin** : Wash skin thoroughly with soap and water or approved industrial cleaner. Do Not Use solvents 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.

For further safety information, please refer to our **Material Safety Data Sheet (MSDS)**

## 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.*