

**BERGER****PRODUCT SPECIFICATIONS****EPI LUX 5**

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, etc.
Compatible with cathodic protection.
Outstanding anti-corrosive performance with excellent fresh and seawater resistance.
Good abrasion resistance.
Suitable for protection of buried steel / concrete pipelines, storage tanks and shore installations.
Able to withstand wet heat of up to 60°

**PHYSICAL
CHARACTERISTICS**

Recommended Application Data Theoretical Coverage	Wet [μm]	Dry [μm]	m²/l
	192	125	5.2
Volume solids	65 % (based on ASTM D2697)		
Dry Film Thickness Range	125 μm to 200 μm		
Flash Point	36 °C		
Finish	Semi-gloss		
Colour Range	Black & Brown		
Standard Packing Size	20 litres set (12.0 litres Base : 8.0 litres Hardener)		
Mix Ratio (by volume)	3 Base : 2 Hardener		

**APPLICATION
METHOD**

AIRLESS SPRAY Recommended method of application	Tip Size : 0.58 – 0.63 mm (23 – 25 thou)
	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
			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**

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



BERGER

PRODUCT SPECIFICATIONS

SURFACE PREPARATION

The service life span and the service performance of EPILUX 5 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 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 Sa2½ (ISO 8501-1:1988) or SSPC-SP10.
- Any surface defects revealed by blast cleaning should be ground, filled or treated.
- An average surface profile of 50 to 75 microns is required.
- After blasting, remove dust from the surface and ensure that it is clean and dry.
- Apply a suitable primer such as Epilux 610 or Zincanode 685 immediately after blasting to prevent oxidation and recontamination of the steel surface. In case of oxidation or recontamination, re-blast to the required standard.

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 5 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.

SUITABLE PRIMERS	Epilux 610, Epilux 78, Zincanode 685, Zincanode 668
SUITABLE FINISH COATS	Epilux 5HS

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.