

**PRODUCT  
DESCRIPTION**

A modified epoxy for use on coastal or offshore structures.

- High Build application in a single coat.
- High Solids Epoxy Tolerant to damp surfaces.

**DESIGNED USE**

- As a build coat or 1 coat system on under decks, piles or jetty structures.
- Immersed or semi-immersed steelwork.
- Suitable as topcoats for upto C5 Environment as per ISO12944 Part 2

**PHYSICAL DATA**

|   |  |
|---|--|
| <b>VOLUME SOLIDS</b><br>(Based on ASTM D2697)     | 82 % $\pm$ 2 %                               |
| <b>TYPICAL DRY FILM THICKNESS</b>                 | 500 microns                                  |
| <b>WET FILM THICKNESS</b>                         | 610 microns                                  |
| <b>THEORETICAL COVERAGE</b>                       | 1.64 m <sup>2</sup> /litre @ 500 microns DFT |
| <b>VOC "As Supplied"</b><br>(Based on ASTM D3960) | 190 gms/ltr                                  |
| <b>COLOUR</b>                                     | Limited Shades                               |
| <b>FINISH</b>                                     | Low Sheen                                    |

**APPLICATION  
DETAILS****METHOD OF APPLICATION :****AIRLESS SPRAY**

This is the recommended method of application:  
Maximum 5% Thinner may be added.  
Tip Size: 0.43 - 0.53 mm (0.017 - 0.021 in)  
Pressure: 110 - 160 kg/cm<sup>2</sup> (1600 – 2300 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                | 9 Hrs     | 18 Hrs   | 32 Hrs              | 21 Days | 4 Hrs    |
| 25°C                | 7 Hrs     | 12 Hrs   | 20 Hrs              | 14 Days | 3 Hrs    |
| 35°C                | 4 Hrs     | 8 Hrs    | 14 Hrs              | 7 Days  | 1½ Hrs   |
| 45°C                | 2 Hrs     | 6 Hrs    | 8 Hrs               | 5 Days  | 40 mins  |

**NO. OF COMPONENTS** Two

**Mixing Ratio** As per pack size

**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**

|                                   |   |
|-----------------------------------|---|
| <b>Thinner / Cleaning solvent</b> | Solvalux 7-45                           |
| <b>Storage Instruction</b>        | Store in a cool shaded dry area         |
| <b>Flash Point</b>                | Mixed 36°C                              |
| <b>Packaging</b>                  | 20 liters                               |
| <b>Shelf Life</b>                 | 12 months from the date of manufacture. |

**EPILUX 82****High Build Splash Zone Epoxy****SURFACE  
PREPARATION**

- This product can be applied either directly to blasted steel or over suitable primer (e.g. EPILUX or ZINCANODE Primers).
- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines 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 2½ Swedish Standard SIS 05 59 00 or ISO 8501-1 : 1988.
- For direct application, the surface profile should be in between 75 – 100 micron.
- 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.
- The surface to be applied must be clean, dry and free from soluble salts. If required fresh water wash should follow to remove soluble salts.

**PRODUCT USE  
RESTRICTIONS**

This product can be applied to a damp surface but not a sweating surface, i.e. When water is condensing on the surface.

- This product can be applied wet-on-wet to achieve the necessary dry film thickness.
- The product can be immersed after 1 hour @ steel temperature 40°C (full cure will continue at a slower rate once immersed).
- A slight colour variation may occur on immersion.
- As common with all Epoxy products, this product also will tend to discolour and chalk on exposure to direct sunlight.
- May also be applied between 250 and 500 Microns DFT.
- Contact Berger Representative for suggesting suitable paint system

**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.