

EPILUX 155**High Build Epoxy****PRODUCT DESCRIPTION**

A High Build modified amine adduct cured epoxy containing inert pigment that can be applied as an intermediate or finish coat in aggressive conditions.

- Excellent resistance to fresh and salt water.
- Good solvent and chemical resistance.
- High film build in one coat.
- Low water permeability.
- Approved by the National Water Council for use in contact with potable water.
- BS 5493 reference. Meets performance of KU 1B

DESIGNED USE

- High build epoxy for the protection of steel and concrete.
- Suitable for application to pipelines, harbour and shore installation, internal tank lining, (crude oil, diesel, ATF, etc), potable water tanks, chemical plants.
- As a non toxic chemical resistant finish coat in food or chemical industries.
- Suitable as topcoat for upto C5 Environment as per ISO12944 Part 2

PHYSICAL DATA

| | |
|---|--|
| VOLUME SOLIDS (Based on ASTM D2697) | 58 % \pm 2 % |
| TYPICAL DRY FILM THICKNESS | 125 microns |
| WET FILM THICKNESS | 215 microns |
| THEORETICAL COVERAGE | 4.64 m ² /litre @ 125 microns DFT |
| VOC "As Supplied" (Based on ASTM D3960) | 400 gms/ltr |
| COLOUR | White, Grey |
| FINISH | Low Sheen |

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

This is the recommended method of application:
Maximum 5% Thinner may be added.
Tip Size: 0.48 - 0.58 mm (0.019 - 0.023 in)
Pressure: 110 - 160 kg/cm² (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. Thinner (max. 5%)

DRYING TIME:

| Surface Temperature | Touch Dry | Hard Dry | Re coating Interval | | Pot Life |
|---------------------|-----------|----------|---------------------|---------|----------|
| | | | Minimum | Maximum | |
| 15°C | 10 Hrs | 24 Hrs | 32 Hrs | 10 Days | 8 Hrs |
| 25°C | 8 Hrs | 16 Hrs | 16 Hrs | 7 Days | 4 Hrs |
| 35°C | 6 Hrs | 12 Hrs | 12 Hrs | 5 Days | 3 Hrs |
| 45°C | 4 Hrs | 8 Hrs | 8 Hrs | 3 Days | 1½ 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 85% 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 27°C |
| Packaging | 20 liters |
| Shelf Life | 12 months from the date of manufacture. |

EPILUX 155**High Build Epoxy****SURFACE
PREPARATION**

This product should be applied to a surface that has been blast cleaned and suitably primed (e.g. with EPILUX or ZINCANODE Primers)

- 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 Sa 2 ½ Swedish Standard SIS 05 59 00 or ISO 8501-1 : 1988.
- Any surface defects revealed by blast cleaning should be ground, filled or treated in a suitable manner.
- An average surface profile of 50 microns is acceptable, but this average should not exceed 75 microns.
- After blasting, remove dust from the surface.
- The surface to be coated must also be clean and dry.

ALUMINIUM

- Degrease and abrade with Solvalux 7-45 and wet-or-dry paper. Apply LUXAPRIME 1500 followed by EPILUX primers.

CONCRETE

- Ensure that the surface is sound. Remove laitance by thorough wire brushing, acid etching or sweep blasting. Blowholes and other defects should be filled with EPILUX 829. EPILUX 155 may be applied directly to the clean sound concrete provided the first coat is thinned up to 20% Solvalux 7-45.

**PRODUCT USE
RESTRICTIONS**

- As with all epoxy coating, this product will chalk on exposure to direct sunlight.
- If maximum over coating time is likely to be exceeded, apply a "tie coat"
- Dry heat resistant up to 120°C
- May also be applied between 100 and 150 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.