PROTECTIVE & MARINE COATINGS

Berger Epilux 155

BERGER

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PRODUCT DESCRIPTION

Berger Epilux 155 is 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.

DESIGNED USE

- High build epoxy for the protection of steel and concrete.
- Suitable for application to pipelines, harbour and shore installation, internal tank lining, potable water tanks, chemical plants.
- As a non-toxic chemical resistant, finish coat in food or chemical industries.

PHYSICAL DATA

VOLUME SOLIDS (based on ASTM D2697)	58% ± 2%
TYPICAL DRY FILM THICKNESS	125 microns
WET FILM THICKNESS	215 microns
THEORETICAL COVERAGE	4.2-4.6 sq. m./litre @ 125 microns DFT
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/cm^2 (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	Over-coating Interval		Pot Life
			Minimum	Maximum	
15°C	5 Hrs	32 Hrs	32 Hrs	10 Days	12 Hrs
25°C	3 Hrs	16 Hrs	16 Hrs	7 Days	6 Hrs
35°C	2 Hrs	12 Hrs	12 Hrs	5 Days	3 Hrs
45°C	1.5 Hrs	8 Hrs	8 Hrs	3 Days	1.5 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	1 Gallon (3.7L) and 5 Gallons (18.9L)
Shelf Life	12 months from the date of Manufacture

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SURFACE PREPARATION

STEEL

This product should be applied to a surface that has been blast cleaned and suitably primed with EPILUX Primers.

- Remove all wax, oil and grease by solvent cleaning in accordance with the guide lines given by 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 ISO 8501-1.
- Any surface defects revealed by blast cleaning should be ground, filled or treated in a suitable manner.
- An average surface profile 40 microns is acceptable, but this average should not exceed 55 microns.
- After blasting, remove dust from the surface.
- The surface to be coated must also be clean.

Note: The coating specifications given above are typical. For specific recommendations to suit individual applications, please refer to your Berger Paints representative

- 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

ALUMINIUM

Degrease with Solvalux 7-45 and abrade with wet-or-dry paper.
Apply Berger Etch Primer.

CONCRETE

Ensure that the surface is free from defects. Remove laitence by through wire brushing, acid etching or sweep blasting. Blowholes and other defects should be filled with solventless epoxy filler. EPILUX 155 may be applied directly to the clean concrete provided the first coat is thinned up to 10%.

PRODUCT USE INSTRUCTIONS

- As with all epoxy coating, this product will chalk on exposure to direct sunlight.
- Dry heat resistant up to 120°C.
- Higher steel temperatures are acceptable provided dry spray is avoided by proper spray application and extra thinning if required. In extreme cases it may be necessary to reduce film thickness in order to avoid sagging.
- The temperature of the mixed paint should be at least 15°C, otherwise extra solvent may be required to obtain a proper application viscosity.

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 vapour 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

For specific recommendations, contact your Berger Technical Service Representative or Technical Service Department.

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