

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 films 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
- Conforms to Shell Spec DEP 40 48 00 30 Gen Part V

DESIGNED USE

- High build epoxy for the protection of steel and concrete.
- Suitable for application to pipelines, harbor 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	4.64 m2/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/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	1 ½ 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.

SURFACE PREPARATION

STEEL

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

CONCRETE

- Ensure that the surface is sound. Remove laitance 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 sound concrete provided the first coat is thinned up to 20%.

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

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.