

Smart Care Apcocoat EPILUX 155-SF High Build Solvent Free Epoxy

PRODUCT DESCRIPTION

A high build solvent free, non-toxic, modified amine cured epoxy coating of excellent chemical resistance. This product is formulated using the quality inert pigments ideal for lining of metal and concrete tanks for potable water and fat-free food stuffs.

-Excellent resistance to fresh and salt water and excellent solvent and chemical resistance.

-High film build in one coat.

-Low water permeability and non-toxic.

DESIGNED USE

-High build epoxy for the protection of steel and concrete.

-Suitable for application to pipelines, harbor and shore installation, internal tank lining, chemical plants.

-Suitable as topcoat for upto C5 Environment as per ISO12944 Part 2

PHYSICAL DATA

VOLUME SOLIDS

(Based on ASTM D2697) 95 % + 2 %

TYPICAL DRY FILM THICKNESS 200 microns

WET FILM THICKNESS 210 microns

THEORETICAL COVERAGE 4.75 m²/litre @ 200 microns DFT

VOC "As Supplied"

(Based on ASTM D3960) 55 gms/ltr

COLOUR Off White

FINISH Glossy

APPLICATION DETAILS

METHOD OF APPLICATION:

AIRLESS SPRAY

Observe the following precautions:

1. Remove filters from the gun and pump before application.
2. Mix base and hardener, only when applicator is ready to spray.
3. No induction time is required. Spraying should commence as soon as base and hardener are properly mixed.
4. Do not mix more than 10 litres of SmartCare Apco Coat EPILUX 155 SF in the same container. The very fast chemical reaction will shorten the pot-life.

This is the recommended method of application:

Maximum 5% Thinner may be added

Tip Size: 0.68 - 0.99 mm (0.027 - 0.039 in)

Pressure: 280 - 320 kg/cm² (4000 - 4500 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	
*15C	10 Hrs	24 Hrs	24 Hrs	48 Hrs	1 ½ Hrs
*25C	8 Hrs	16 Hrs	16 Hrs	24 Hrs	1 Hr
*35C	6 Hrs	12 Hrs	12 Hrs	16 Hrs	< 20 mins
*45C	4 Hrs	8 Hrs	8 Hrs	12 Hrs	N/A

Above mentioned pot-life was measured under controlled condition.

However for a 5 liter/ 10 liter mix, the heat developed by exothermic reaction between base & hardener is intense and it will shorten the practical pot-life substantially.

NO. OF COMPONENTS	Two
Mixing Ratio	As per Pack Size
Do not apply this product if the Relative Humidity exceeds	

ADDITIONAL INFORMATION

Thinner / Cleaning solvent	Solvalux 7-45
Storage Instruction	Store in a cool shaded dry area
Flash Point	Mixed *27C
Packaging	5 liters
Shelf Life	12 months from the date of manufacture

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 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 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.

Smart Care Apcocoat EPILUX 155-SF

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 Apcoflor HFP 120. Any dent or crack to be corrected with Epoxy Putty or suitable Epoxy putty with Apcoflor HFP 120. EPILUX 155 SF may be applied directly to the clean sound concrete provided the first coat is thinned by up to 15% Solvalux 7-45.

PRODUCT USE RESTRICTIONS

- Not recommended for immersion service in acid or alkaline conditions.
- Dry heat resistance up to 150° C
- Do not apply beyond 300 microns in single coat.
- 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 150 and 300 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

Our Recommendations are based on extensive research as well as practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice. Please note that this data sheet supersedes any previous prints. For any additional information, please consult our technical office.

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