

PRODUCT DESCRIPTION

Two component, self-priming, high build, tank Lining epoxy coating

FEATURES AND RECOMMENDED USE

- * Designed as a tank lining for storage of Water & salt water, brine, sweet and sour crude, other refined petroleum products and solvents
- * Excellent chemical resistance
- * High film builds in Single Coat
- * Self-priming

TECHNICAL DATA

Color	Off White and Greys
Gloss	Eggshell
Volume Solids	Approx. 85%
Recommended DFT / Coat	200 - 250 microns
Theoretical Covering Capacity	4.25 sq.mtr/ ltr @ 200 microns DFT 3.40 sq.mtr/ ltr @ 250 microns DFT
Dry Heat Resistance	Up to 120°C

Substrate Tem	Touch Dry	Hard Dry	Recommended Interval		Pot Life
			Minimum	Maximum	
15°C	18 Hrs	36 Hrs	36 Hrs	5 Days	60 min
25°C	12 Hrs	24 Hrs	24 Hrs	4 Days	45 min
35°C	6 Hrs	12 Hrs	12 Hrs	3 Days	30 min

The data given is for guidelines only. The physical values are subject to normal manufacturing tolerances, color, and testing variances

The volume solids indicated are as per ASTM D 2697 air drying method.

The actual drying time/ overcoat interval may be shorter or longer, depending on film thickness, ventilation, humidity, temperature etc. The information provided above is at 30° C and 65% relative humidity.

DIRECTION FOR USE**Surface Preparation****General:**

- * Can be applied directly over blasted steel substrate
- * Suitable epoxy primer; dry and free from all contamination
- * In case of recoating interval exceeds 5 days, the painted surface should be thoroughly roughened & cleaned well prior to painting
- * Surfaces must be dry, clean and free from contaminants.
- * Ensure removal of dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating. Oil and grease should be removed as per SSPC-SP1 solvent cleaning.
- * Surface should be checked and treated in accordance with ISO 8504 prior to priming
- * Where necessary remove weld spatter, weld seams and sharp edges prior to application of primer

Blast Cleaning:

- * Steel, abrasive blast clean to min. Sa 2 1/2 (ISO 8501-1: 200) or SSPC –SP6. In case oxidation has occurred between blasting and application of primer; the surface should be blasted.
- * A blasting profile of (Rz) 50-75 microns is recommended.
- * Any surface defect revealed by the blast cleaning process should be corrected or treated appropriately (grinding, filling etc.)

Application Conditions:

- * Substrate temperature should be at least 3°C above dew point but not above 50°C.
- * Relative humidity should be around 60 – 70%
- * Good ventilation is required in confined areas to ensure proper curing

Mixing

- Apcoguard HB Tank lining is supplied in two packs. Stir the base and hardener separately. If settling is observed in the base or hardener, loosen the settled material with the help of hand stirrer followed by power driven stirrer (at lower RPM) for quick homogenous mixing.
- Mix hardener gradually into the base under continuous stirring as per the mixing ratio. Once the unit has been mixed, it should be consumed within the working pot life. In case of part mixing (which should be avoided), close the lids of containers tightly to avoid contact with atmospheric moisture.
- Addition of excessive thinner will lead to reduced sag resistance.

Mixing Ratio : Base: Hardener (By
volume) 4 : 1

Application:

Airless Spray:

Recommended Thinner : T 141
 Thinner Intake : 5 – 10%
 Nozzle orifice : 0.53 - 0.74 mm (0.021 – 0.029 in)
 Nozzle Pressure : 20 – 24 MPa (= approx. 200 – 240 atm; 2800 – 3400 p.s.i.)
 Cleaning Thinner : T 141

- Remove filters from the gun and pump before application.
- In-can temperature of base and hardener prior to mixing should ideally be maintained between 15°C to 30°C. If the paint temperature is mixed is above 30°C, there is a high risk of curing in can or in the spray equipment.
- Mix base and hardener only when applicator is ready to spray.
- Spraying should commence as soon as base and hardener and property mixed.

Note: For single feed airless spray it is advisable to use pump ratio 45:1,

Brush or Roller

May be used for difficult shapes or touch-up on for stripe coat. However, additional coats may be required to achieve the recommended film Thickness

Cleaning:

- Do not allow the product to remain in hoses, gun or spray equipment. Clean all equipment's immediately after use with Thinner T 141. It is recommended to periodically flush out spray equipment during the course of the working day. The frequency of cleaning will depend on the amount sprayed, temperature and time gap.
- All surplus material and empty containers should be disposed of in accordance with appropriate regional legislation.

Product Characteristics:

- Full cure must be allowed prior to subjecting the coating system to service conditions.
- Product will tend to discolor on exposure to sunlight. Discoloration may also be visible on immersion and submerged conditions without affecting the performance.
- For system recommendation or any specific query, please consult Asian Paints PPG technical representative
- The application parameters to be adjusted at site depending on site conditions
- In confined tank/areas, relative humidity to be controlled using de-humidification unit

APCOGUARD HB Tank Lining

Epoxy tank Lining

PACK SIZE	4 ltrs (Base: 3.2 ltrs & Hardener: 0.8 ltr) 20.0 ltrs (Base: 16 ltrs & Hardener: 4 ltr)
STORAGE	Shelf Life: At least 12 months @ 30°C for original unopened pack, subject to inspection thereafter. Store in a cool, dry place and in accordance with local regulations
REGULATORY INFORMATION	Flash point Base : Not less than 24° C Hardener: Not less than 24° C
	VOC Approx. 390 ± 20 gm/ ltr as per USA-EPA Method 24
	Product Weight Approx. 1.36 ± 0.05 kg/ ltr

SAFETY INFORMATION

- As a general safety measure, inhalation of solvent vapors or paint mist and contact of liquid paint with skin & eyes, should be avoided. Forced ventilation should be provided when applying paint in confined spaces or stagnant air. Even when ventilation is provided, respiratory, skin and eye protection are always recommended when spraying paint.
- Please refer to our Material Safety Data Sheet prior to using the product.

Disclaimer:

To the best of our knowledge the information provided herein are true and accurate at the date of issuance. Since we have no control over the quality or condition of the substrate or the various factors affecting the use and application of the product, we do not accept any responsibility or liability arising out of use of the product. The company reserves the right to modify data contained herein without prior notice. Any change in data would normally be followed by issue of a new datasheet. The user should check with the nearest sales office of the company and confirm the validity of the information, prior to using the product.

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