

# APCODUR EPOXY POLYAMIDE FINISH

Epoxy Finish

## PRODUCT DESCRIPTION

Two component, high build, polyamide cured epoxy coating

## FEATURES AND RECOMMENDED USE

- High performance, epoxy high build coating for protection of concrete structures
- Easy application by conventional/airless spray as well as by roller & brush
- Excellent resistant to water and splashes of mild chemicals
- Approved by Central Electro Chemical Research Institute, Karaikudi (CECRI) for concrete structures

## TECHNICAL DATA

Colour	Range
Gloss	Semiglossy
Volume Solids	Approx. 65%
Recommended DFT / Coat	100 - 110 microns
Theoretical Coverage Capacity	6.5 sq.mtr/ ltr @ 100 microns DFT 5.9 sq.mtr/ ltr @ 110 microns DFT
Drying time at 30°C	Surface Dry : 2 hours Hard Dry : 16 hours Full cure : 7 days
Over coating interval at 30°C	Min. : 16 hours Max. : 1 Month, provided surface is dry and clean from all contamination.

The data given is for guideline only. The physical values are subject to normal manufacturing tolerances, colour 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.

## DIRECTIONS FOR USE

### Surface Preparation

#### General

- 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
- Suitable epoxy primer or epoxy intermediate coat
- In case of aged epoxy coating, the surface should be sufficiently roughened prior to painting

## Application Conditions

- Substrate temperature should be at least 3°C above dew point but not above 50°C.
- Relative humidity should be below 85%
- Good ventilation is required in confined areas to ensure proper curing

## Mixing

- Apcodur Epoxy Polyamide Finish 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.
- Thinner should be added after mixing the components and post the induction time. Addition of excessive thinner will lead to reduced sag resistance.

<b>Mixing Ratio (by volume)</b>	Base : Hardener 3 : 1
<b>Induction Time</b>	30 minutes
<b>Pot Life at 30°C</b>	4 hour

## Application

<b>Air Spray</b>	
Recommended thinner	T 141
Volume of thinner	10 - 25%
Nozzle orifice	1.5 – 3.00 mm
Nozzle Pressure	0.3 – 0.4 MPa (= approx. 3 – 4 atm; 43 – 57 p.s.i.)
Cleaning Thinner	T 141
<b>Airless Spray</b>	
Recommended thinner	T 141
Volume of thinner	5 - 15%
Nozzle orifice	0.41 - 0.46 mm (16 – 18 Thou)
Nozzle Pressure	15 – 19 MPa (= approx. 160 – 200 atm; 2300 – 2800 p.s.i.)
Cleaning Thinner	T 141
<b>Brush</b>	
Recommended thinner	T 141
Volume of thinner	0 - 10%

Note: As common to all epoxy, the product will chalk and discolour on exterior exposure. However these phenomenon are not detrimental to anti-corrosive performance

## Cleaning

- Do not allow the product to remain in hoses, gun or spray equipment. Clean all equipments 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 amount sprayed, temperature and time gap
- All surplus material and empty containers should be disposed off in accordance with appropriate regional legislation

## Product Characteristics

- Maximum film build in one coat is best attained by airless spray. Air spray (pressure pot) may require a multiple cross spray pattern to achieve optimum film build
- The maximum performance is achieved after complete curing

<b>PACK SIZE</b>	20 ltrs (Base : 15 ltrs & Hardener : 5 ltrs)
<b>STORAGE</b>	<b>Shelf Life:</b> Atleast 12 months @ 30°C for original unopened pack, subject to inspection thereafter. Store in a cool, dry place and in accordance with local regulations
<b>REGULATORY INFORMATION</b>	<b>Flash point:</b> Base : Not less than 24°C Hardener : Not less than 24°C <b>VOC:</b> Approx. 325 ± 25 gm/ ltr (depending on shades) as per USA-EPA Method 24 <b>Product Weight:</b> Approx. 1.35 ± 0.04 kg/ ltr (depending on shades)

## SAFETY INFORMATION

- As a general safety measure, inhalation of solvent vapours 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 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 data-sheet. 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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