

ASIAN COAL TAR EPOXY PAINT / APCODUR 802



PRODUCT DESCRIPTION

Two component, high build coal tar epoxy coating

FEATURES & RECOMMENDED USE

- Good resistance to corrosion in marine exposure and subsoil conditions
- Good abrasion resistance
- Good chemical resistance
- Excellent water resistance

TECHNICAL DATA

Colour	Black & Brown
Gloss	Eggshell
Volume Solids	Approx. 63%
Recommended DFT / Coat	100 - 125 μ m
Theoretical Coverage Capacity	6.3 sq.mtr/ ltr @ 100 μ m DFT 5.0 sq.mtr/ ltr @ 125 μ m DFT
Drying time at 30°C	Surface Dry : 4 hours Hard Dry : 24 hours Full Cure : 7 days
Over coating interval at 30°C	Min. : 24 hours Max. : 5 days, 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. 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

For immersion condition**Blast Cleaning**

- Steel, abrasive blast clean to min. Sa 2.5 of Swedish specification. In case oxidation has occurred between blasting and application of Asian Epoxy Coal Tar / Apcodur 802, the surface should be re-blasted
- A blasting profile of (Rz) 50-75 μ m is recommended

For atmospheric exposure condition

Steel Surface

- Steel; blast cleaned to Sa 2.5 of Swedish specification
- If blast cleaning is impractical, remove loose rust/ scale using power tools/ hand tools to achieve St3/ St2 grade of surface preparation as per Swedish standards
- Suitable zinc primer, epoxy primer or epoxy intermediate coat; dry & free from all surface contamination. In case of aged epoxy coating, the surface should be sufficiently roughened and cleaned prior to painting

Concrete surface

- Ensure that the concrete surface is cured for minimum three months
- The surface is to be made rough and free from laitance and other contaminants by sand weeping
- Ensure all dust and other particles are fully removed by suction or air blast and the surface is fully clean & dry before application of paint
- In non-critical areas, where sweep blasting is not possible, water jet washing and hard wire brushing are minimum requisites

Note: Surface should be thoroughly dried before application of primer. This will have a major influence on the performance of the coating

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

Mixing

- Asian Epoxy Coal Tar / Apcodur 802 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

Mixing Ratio (by volume)	Base : Hardner 4 : 1
Induction Time	30 minutes
Pot Life at 30°C	8 hours

Application

Airless Spray	
Recommended thinner	T – 141
Volume of thinner	0 – 15 % *
Nozzle orifice	0.41 - 0.48 mm (16 – 19 Thou)
Nozzle pressure	20 – 24 MPa (approx. 200 – 240 atm; 2800 – 3400 p.s.i.)
Cleaning Thinner	T – 141
Brush / Roller	
Recommended thinner	T – 141
Volume of thinner	0 – 10 % *
Cleaning Thinner	T – 141

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
- Depending of required thickness & application conditions*
- For application on concrete substrate, it is recommended to apply first coat as primer coat with extra thinning at 25-50 µm to fill the porosity of the concrete. Subsequent coats can be applied at 100-125 µm DFT per coat

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 amount sprayed, temperature and time gap
- All surplus material and empty containers should be disposed off in accordance with appropriate regional legislation

Product Characteristic

- The maximum performance is achieved after complete curing
- While over coating with other paints, tar bleeding can occur. Consult Asian Paints PPG representative for suitable topcoats

PACK SIZE	20 L (Base : 16 L & Hardener : 4 L) 4 L (Base : 3.2 L & Hardener : 0.8 L) 1 L (Base : 800 ml & Hardener : 200 ml)
STORAGE	Shelf Life: At least 12 months at 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. 325 ± 25 gm/ltr (depending on shades) as per USA-EPA Method 24 Product Weight: Approx. 1.40 ± 0.05 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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