

EPO COALTAR

COAL-TAR EPOXY PAINT

PRODUCT DESCRIPTION

EPO COALTAR is a coal-tar and epoxy-polyamide based, reaction drying, anti-corrosive, two component topcoat paint.

*TECHNICAL PROPERTIES

Appearance	Semi-Matte (Plain)
Color	Black
Thinner	Geosol 5301 Epoxy Thinner
Density (g/ml 20°C)	1,50 ± 0,05
Mixing Ratio (by weight)	A Comp. 4 units B Comp. 1 unit
Theoretical Spreading (m ² / kg)	4,35 (100 microns DFT)
Max Paint Application in One Layer	750 μ
Solid Substance by weight (w/w)	90 ± 5 %
Solid Substance by volume (v/v)	85 ± 5 %
Flash Point	>25°C
Pressure (bar)	250 bar [3625 psi]
Nozzle (inch)	0.021 - 0.023"
Application Method	Airless Spray, Spray, Brush, Roller
Pot Life (20°C)	2-3 hours
Fully Curing (20°C)	7 days

* DRYING INFORMATION (100 microns DFT)

	Dry to Touch	Hard Dry	Dry to Overcoat (Minimum)
5°C	10 hours	22 hours	22 hours
15°C	6-8 hours	16 hours	16 hours
25°C	4-6 hours	10 hours	10 hours
35°C	3-4 hours	6 hours	6 hours

NOTE: As the thickness of the application increases, the drying time increases, too.

* CONSUMPTION

Wet Film Thickness (μ)	Dry Film Thickness (μ)	Theoretical Consumption ± 10 (g/m ²)
120	100	176

NOTE: As the thickness of the application increases, consumption increases, too.

APPLICATION AREAS AND PROPERTIES

EPO COALTAR is used as a final coat paint on steel, profile or sheet sections of maritime vehicles that are continuously and/or frequently in contact with sea water. It can also be used on catwalks, bridges, port facilities, raw petroleum and storage tanks, inside and outside of waste water, drinking pipings and dams.

EPO COALTAR is a coating paint protecting all kinds of steel accessories against corrosion with its physical and chemical resistance. It also shows good adhesion properties.

EPO COALTAR has superior features with its high resistance film formation against acids and alkalines, raw petroleum and sea water as well as against wearing and pulses.

AMBIENT CONDITIONS

Ambient temperature should be between 5°C and 35°C. Application should not be made in cases where the relative humidity exceeds 90 %. The surface temperature must be at least 3-5°C above the dew-point to avoid condensation. It should be known that the consumption will increase in windy weather applications. Surface temperature should be minimum 5°C and maximum 45°C.

USAGE METHOD

Before using the paint stir each components separately first. Later, mix the components together with a mechanical mixer thoroughly until homogenous vision is achieved. If it is required thin the paint with **Epoxy Thinner** to adjust the viscosity. Make sure that paint temperature is no less than 20°C. Rest the mixture for 10-15 minutes and then start the application.

Application surface should be carefully cleaned from dust, oil and grease. Former paint (on previously painted surfaces) are removed off. Burrs and rust are removed via sandblasting method according to SA 2 ½ norms. Application is carried out with brush, roller or with a spray gun. Wear a mask during the spraying applications. Especially small, closed areas should be ventilated well.

Film Thickness/Thinning

Depending on the using aim higher or lower thickness can be predicted. This thickness may change the spreading rate, drying time and waiting time between the layers. Standard dry film thickness range is in between 200-350 microns.

Applying New Layer

It depends upon the treatment after the layer application. If maximum required waiting time between the layers exceeds surface needs to be scratched in order to provide sufficient adhesion.

During the application, high thickness of the dry film than required, less ventilation, high humidity or low temperatures will increase the drying time.

High humidity and condensation on the surface of the paint can effect drying time and hence may result in fading of paints or uneven surface color. Paint may turn to brown or it may turn to yellow. This color change is only visual. It won't change the physical or chemical structure of the paint.

Epoxy Thinner is used for equipment cleaning.

PACKAGING

One bucket **EPO COALTAR** Base A Component is net 20 kg.

One gallon **EPO COALTAR** Hardener B Component is net 5 kg.

SHELF LIFE

Keep and store the product in a cool and dry area. In an unopened package life span of the product for A and B components are 12 months.

HEALTH AND SAFETY INFORMATION

Read the MSDS form (Material Safety Data Sheet) for the necessary safety rules and warning. The minimum safety rules to be followed are as follows.

- The contact of the paint with the skin and eyes should be prevented by using gloves, protective glasses, face mask and industrial cream.
- Adequate air circulation should be provided until the paint dries and during application.
- If the paint comes into contact with the skin, it should be washed with warm water and soap or an industrial cleaner. If splashes have occurred in the eyes, they should be rinsed with water for at least 10 minutes and medical help should be obtained.
- Since these types of materials contain flammable components, it should be kept away from sparks and naked flames. Smoking should not be allowed in the area.
- All cautionary notes on buckets should be read carefully and the recommended working rules should be followed.

* Information regarding our products are, under normal conditions, prepared according to our own laboratory trial and researches. Our company is not responsible for the works/studies condition in inappropriate conditions. The right to change this information is reserved by our company. For further information please contact with **GRADA C.C.**.

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