EPOXY COAL TAR

PRODUCT DESCRIPTION

Tar is a protective coating designed to resist chemical attack and rigorous weather conditions by combining the outstanding properties of epoxy with those of coal tar. Thick coatings can be built up with minimum labour costs, each being 5 to 10 times as thick as normal paint finishes. In addition, it may be applied in almost any condition under which it is reasonable for men to work. It attains its superior properties even when immersed in water and sea water soon after application. In practice, Epoxy Coal Tar has been found to cure at temperatures as low as 0°C.

It is designed as a heavy duty anti-corrosive and protective coating for iron and steel, non-ferrous metals and for other types of constructional materials such as concrete, bricks, timber etc. The material is black in colour and gives a dry film coating of over 125 microns (0.005”) in a single application. It is designed as a brushing material but may be sprayed with airless equipment. Epoxy Coal Tar is easy to use, contains little solvent and dries quickly.

APPLICATION

The product is ready for use immediately after mixing. Apply by brushing as with ordinary paint. It does not normally need thinning before use. If thinners are used, they will take some time to mix in due to the viscous nature of this paint. When ordering, remember or order sufficient brush cleaning Thinners. Ordinary thinners will not be satisfactory for cleaning brushes or equipment.

SURFACE PREPARATION

The more thorough the preparation, the better Epoxy Coal Tar will perform, however it will tolerate less preparation than many materials. Remove all loose rust and mill-scale and de-grease the surface. The Epoxy Coal Tar can then be applied directly to the surface.

A special primer may be required in certain cases and we will be glad to advise you as to the most suitable product on receipt of details. When over coating certain paints tar bleeding can occur. So try to ensure you’re painting onto a neutral surface.
PROPERTIES

Chemical Resistance:
Has outstanding resistance to water, sea water and brine solutions, alkalis, acids, detergents and stands up to oils, fats, greases, petrol, diesel, petroleum solvents.

Heat Resistance:
150°C (Dry).

Mixing Ratio:
Two pack correctly matched material. If a small quantity is required, mix in the proportion of 4 parts base to 1 part hardener. Stir thoroughly before use.

Pot Life:
6 hours at 20°C.

Surface Dry:
4 Hours.

Hard Dry:
24 hours @ 20°C.

Full Cure:
7 – 10 Days

Min.Cure Temperature:
10°C

Re-Coat:
Min 6 hours, Max 5 days.

Coverage:
5-6m² per litre @ 125 microns DFT on a smooth

Storage Life:
12 months.

Pack Size:
2.5 and 5 Litre twin packs.

Colour:
Black.

CURING TABLE FOR DFT UP TO 250 MICRONS

Substrate Temperature: 10°C
Dry to Handle: 30 Hours
Polluted Atmosphere: 48 Hours
Full Cure for Immersion into polluted water or crude oil: 15 Days

Substrate Temperature: 15°C
Dry to Handle: 24 Hours
Polluted Atmosphere: 30 Hours
Full Cure for Immersion into polluted water or crude oil: 10 Days

Substrate Temperature: 20°C
Dry to Handle: 16 Hours
Polluted Atmosphere: 24 Hours
Full Cure for Immersion into polluted water or crude oil: 7 Days

Substrate Temperature: 30°C
Dry to Handle: 8 Hours
Polluted Atmosphere: 18 Hours
Full Cure for Immersion into polluted water or crude oil: 3 Days

Substrate Temperature: 40°C
Dry to Handle: 5 Hours
Polluted Atmosphere: 12 Hours
Full Cure for Immersion into polluted water or crude oil: 2 Days
HEALTH & SAFETY

Epoxy Coal Tar has a flash point of 26°C (79°F) and should only be used well away from possible sources of ignition. Skin contact must be avoided and attention must be given to industrial hygiene. Extraction of vapours and fire precautions must be taken. Personnel must be informed of any handling requirements especially when using the product indoors.

This is solvent borne paint and care should be taken to avoid inhalation of spray mist and vapour, as well as contact between wet paint and exposed skin or eyes. Adequate ventilation must be maintained during application and curing.

EXTRA INFORMATION

Andcoat Epoxy Coal Tar is ideal for Canal Boats. Epoxy Coal Tar conforms to BS5493 parts KF3A/B.