

# REC COAL TAR EPO COAT 070

## High build solvent-free coal tar epoxy coating

### PRODUCT

A two component high build, solvent free, coal tar epoxy product with outstanding water and crude oil resistance that makes it eminently suitable for use as an anticorrosive on underwater areas (especially where cathodic protection is envisaged). The superior adhesion and chemical resistance of epoxy resin along with the flexibility and excellent water resistant qualities of pitch produce a good system of coating on concrete and steel substrates. Especially formulated to provide single coat application up to 500 microns dry film thickness. Suitable for use in sewerage tanks.

### TYPICAL APPLICATIONS

Sewerage works, main structures, concrete foundations, manholes covers, lining of tanks, pipes and ducting. Excellent chemical resistance to sewage water, sea water, distilled water, chlorinated water, kerosene, diluted acids.

### CHARACTERISTICS

Solids content by volume	100%
Flash point	> 38°C
Specific Gravity	1.40 kg / litre
Color	Black, Brown & semi gloss
Coverage	0.5 lit/m <sup>2</sup> for 500 μ
Complies to ASTM D 450, Type II	

### INSTRUCTIONS FOR USE

#### APPLICATION DETAILS

- Mixing Ratio: 85 parts base to 15 part - additive by volume
- Induction period : Nil
- Working pot life @ 23°C± 2°C: 2 hours
- Airless spray: Line pressure - 2500 - 3200 PSI  
Tip size 17/25  
Fan angle 60°C
- Recommended application methods: Airless spray or brush
- Nominal dry film thickness (microns): 500
- Corresponding wet film thickness (microns): 500
- Theoretical spreading rate (m<sup>2</sup>/litre): 2.00
- Dry times - at 23°C (± 2°C) to BS.3900 Part C2,
- Surface Dry: Touch: 5 hrs  
: Hard :24 hrs
- Over coating time: Min. 16 hrs- max.7 days
- Full cure: 7 days
- Cleaning of equipment with thinner.

#### PRODUCT PREPARATION

Grit blast surface thoroughly to Sa 2.5 or better. Previously primed surfaces should be free from loose deposits, rust and grease and also be dry. Concrete surface should be

dry, free of loose concrete.

#### PRODUCT APPLICATION

Mix only in the proportions indicated powder mix individual components separately slowly- add activator to the base and thoroughly mix together. Do not thin **REC COAL TAR EPO COAT 070**.

#### DRYING, OVERCOATING AND CURING TIMES

**REC COAL TAR EPO COAT 070** should preferably be applied at temperatures in excess of 10°C and under conditions of reasonable relative humidity i.e. not exceeding 85 % and assuming good ventilation conditions.

Under such conditions the materials will surface dry in approx. 6 hours and may be over coated after 16 hours. At application temperatures below 10°C, drying and curing times will be significantly extended.

It is not recommended that the materials be applied at temperatures below 5°C.

Maximum recommended time interval between coats is 7 days.

#### CHEMICAL RESISTANCE

Cured coating is resistant to:

- Distilled water
- Brine
- Effluent
- Barnacle growth
- Sewage
- Exhaust gases
- Marine Bacteria
- Diluted acids and alkalis
- Salt solutions (Potassium, Sodium)

#### STORAGE

2 years from manufacturing date, in well closed containers and protected from extreme temperature and direct sunlight.

#### SAFETY PRECAUTIONS

Application should be done in a ventilated area away from any heat source. Wear protective gear for hands and eyes and avoid breathing of vapor. If mixed resin comes into contact with the skin, it should be promptly removed before hardening, followed by thoroughly washing the skin with soap and water. In case of heavy



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vapor inhalation, place affected person in an open-air area. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In all cases, seek medical attention. In case of fire, use CO<sub>2</sub> foam to extinguish. Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones.

### DISCLAIMER

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