

# REC COAL TAR EPO COAT 071

## Solvent-based coal tar epoxy coating for steel and concrete

### PRODUCT

A two component based on polyamine cured coal tar epoxy product with outstanding water and crude oil resistance that makes it eminently suitable for use as an anticorrosive on both steel and concrete, on underwater areas (especially where cathodic protection is envisaged). It can also be applied behind linings, in void spaces and ballast 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	
Color	Black and brown/semi gloss
Solids content by volume	72%
Flash point	>25°C
Specific gravity	1.4±0.05kg/lit
Water absorption (ASTM C 570)	Below 0.3%

### APPLICABLE STANDARD

**REC COAL TAR EPO COAT 071** complies to ASTM D 450 Type II, ASTM D543:95 (Reapproved 2001), ASTM D 2415, ASTM 7542: 1992, ASTM C 413:1996.

### INSTRUCTIONS FOR USE

- Mixing ratio: 8 parts base (part A) to 2 parts activator (part B) by volume
- Working pot life: 4 hours at 23°C ± 2°C
- Airless spray
  - Pressure at nozzle: 180-250bar. Nozzle size 0.48 - 0.78mm
  - Spray angle: 40-80 degrees
- Brush or roller application 2 coats may be needed to achieve specified dry film thickness

For easier application or better sprayability you may add 5% of

#### REC EPO Thinner (epoxy thinner)

- Dry film thickness (microns) per coat: 150
- Wet film thickness (microns) per coat: 210
- Theoretical spreading rate (m<sup>2</sup>/litre): 3.6-7.2 per one coat (recommended 4.8)
- Dry times at 23°C (±2°C)
  - Touch dry: 6 hrs
  - Overcoating time: Min. 10 hrs-max. 2 days
  - Full cure: 7 days

### SURFACE PREPARATION

Steel surface should be grit blast thoroughly to Sa 2.5-ISO 8501:1. Previously primed surfaces should be free from loose deposits, rust and grease and also be dry.

New concrete should be allowed to cure at least 25 days prior to overcoating.

Old concrete should be clean, free of any loose material and also dry prior to overcoating.

### PRODUCT APPLICATION

Mix the base (part A) using a power mixer for 5 min slowly. Add activator (part B) to the base and thoroughly mix together. Minimum 2 coats are required to achieve the specified dry film thickness.

Cleaning of equipment with thinner.

Substrate porosity and roughness affect greatly the consumption rate.

### DRYING, OVERCOATING AND CURING TIMES

**REC COAL TAR EPO COAT 071** 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. 5 hours and may be overcoated after 12 hours. At application temperatures below 10 °C, drying and curing times will be significantly extended.

### CHEMICAL RESISTANCE

Fully cured coating is resistant to:

- Distilled water
- Sea water/sewage water
- Effluent
- Barnacle and organic growth
- Sewage
- Exhaust & sewage gases
- Marine bacteria
- Diluted acids and alkalis
- Salt solutions (Potassium, Sodium)

### STORAGE

1 year 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 as this product contains flammable materials. 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 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 foam to extinguish.

Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones.



**RECKON**  
CHEMICALS (PVT) LTD.

www.reckonchemicals.com  
info@reckonchemicals.com

# REC COAL TAR EPO COAT 071

## DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

## NOTE

The information included on this Technical Data Sheet is the sole property of Reckon Chemicals Pvt Ltd. The unauthorized disclosure, use, dissemination or copying (either whole or partial) of this data sheet or any information it contains, is prohibited and subject to legal pursuit.

**Head Office:** Plot # 9 6km off Manga Riwind Road, Glamour Stop Opposite Sundar Industrial Estate Lahore.

+92-42-35 395 224, +92-42-35 395 225