

# EPOXY COAL TAR

## PRODUCT DESCRIPTION

Two pack high build coal tar epoxy coating for use as a high build protective system on both steel and concrete surfaces. It can be applied up to 200 microns or even thicker in one coat. It is recommended to be used for aggressive environment to provide optimal corrosion protection.

## PRODUCT BENEFITS

- 1- Strong adhesion
- 2- Long-term protection
- 3- Outstanding chemical resistance
- 4- Mechanical & Abrasion resistance
- 5- Excellent anti-corrosion protection
- 6- Excellent water immersion resistance to fresh and salt water
- 7- Excellent toughness

## RECOMMENDED USES

Designed to protect steel and concrete surfaces that are subject to fresh and salt water, chemicals and industrial fumes.

It is ideal for use in sewage and waste plants, refineries and in the chemical industry plants in general. It is also used for underground water tanks, pipes, dams, and other mild steel structures.

## PHYSICAL AND CHEMICAL PROPERTIES

### Physical Properties

|                |  |
|----------------|--|
| Technology     | Epoxy  |
| Physical State | Viscous Liquid   |
| Appearance     | Comp. A Viscous Liquid<br>Comp. B Liquid<br>Ratio 2:1 Base: hardener |
| Pot Life       | Two Components- requires mixing<br>4-6 hours @ 25°C                  |
| Color          | Black  |

**Temperature @ 25° C**  
**Relative Humidity 60%**

**Component A**

|                            |                              |
|----------------------------|------------------------------|
| Specific Gravity, ISO 2811 | 1.3 ± 0.05 g/cm <sup>3</sup> |
| Viscosity, ISO 2884        | 15 – 17 poises               |

**Component A+B**

|                          |             |
|--------------------------|-------------|
| Drying Time, ASTM D 5895 | 2-4 hours   |
| Recoat Time              | 8- 12 hours |

|                             |           |
|-----------------------------|-----------|
| Sag Resistance, ASTM D 3730 | Excellent |
| Leveling, ASTM D 2801       | Excellent |

**Chemical Properties**

|                  |        |
|------------------|--------|
| Solids by Weight | 70-75% |
| Solids by Volume | 55-60% |

**SURFACE PREPARATION & PRIMING**

All surfaces to be painted must be clean and dry. Be sure to remove all wax, silicone, oil, powdery or scaling rust, loose or peeling paint and all other contaminants. All loose particles should be removed by brushing scraping or acid etching. Smooth surfaces should be sanded to promote adhesion.

**FERROUS METALS:** A completely de-rusted surface is recommended.

**MIXING/THINNING/APPLYING**

No priming is required. It is a self-priming product.

Combine phase A (base) with phase B (Hardener) according to the ratio base: catalyst 2:1 by weight. Keep the mixing for 5 – 10 min before use.

Thin the mixture with Thinner epoxy with a dilution up to 30%

Apply one coat on the substrate.

Clean tools and equipment with solvent immediately after use.

## **CAUTION**

Flammable Liquid and Vapor

## **PACKING**

In cylindrical tin containers of the following capacities:

- 1 US Quart = 0.95 L.
- 1 US gallon = 3.78 L.
- 1 Pail (5U.S.G.) = 20L

Each container is supplied with its appropriate pack of relative hardener.

## **STORAGE**

1 year under normal storage conditions from the issue date.

Avoid frost & excessive heat.

The technical information contained in this Technical Data Sheet is to be understood as advice only and not binding in any respect.

All details about working with our products should be adapted to prevailing local conditions and materials used.