

Falco Coal Tar Epoxy

Product Description

Falco Coal Tar Epoxy is a two pack based on a high molecular weight epoxy resin. It provides Chemical resistance, high resistance against rust accumulation and water resistance.

Recommended Usage

To be used for internal concrete, steel surfaces and manholes.

Technical Data

Color	Black & Brown.		
Finish	Smooth / Gloss, Semi-gloss or Matt.		
Solid contents	70 % ± 2 by volume.		
	Minimum	Maximum	Typical
Wet film thickness (microns)	142	214	178
Dry film thickness (microns)	100	150	125
Theoretical spreading rate (m ² /ltr.)	7	4.6	5.6
Viscosity	95-105 K.U.@ 25°C.		
Specific gravity	1.35 ± 0.05 gm/cm ³		
Drying time	Dry to touch (hours)		6
	Dry to recoat (hours)		24
	Fully cured (days)		7
Thinner / Cleaning	Falco Thinner 2050		
Mixing ratio	4 parts A (base) : 1 part B (hardener)		
Pot life	8 Hrs. @ 25°C to be less at higher temp.		

Hint

Theoretical spreading rate is a value that depends on solid content and desired dry film thickness by the following equation:

$$\text{Theoretical spreading rate} = \frac{10 \times \text{solid content by volume}}{\text{DFT in microns}}$$

Application Data

Surface Preparation

The surface must be clean, dry and free from dust, oil, grease and any contaminations.

Tools

Brush or roller.

Application Method

Apply one or two coats of **Falco coal Tar Epoxy** by brush, roller thinned with Thinner 2050 (10-15% by volume).

Note: paint system may be varying according to the substrate.

Packing size

- 1 liter, 1 US gallon and 5 US gallons steel cans (for local).
- 1 liter, 1 US gallon, 18 liters steel cans (for export).

Storage

- The product should be stored in a dry, cool place and away from direct sun light.
- Cans should be well closed, classified according to the base and to be arranged by a maximum 3 plastic cans/row and 5 steel cans/row.

Health and safety

- Inhalation Risks:

Vapor or mist can cause headache, nausea & irritation of the nose throat & lungs.

- Skin & Eye Contact:

Use good personal hygiene practices while working with this material. Dry contaminated clothing before reuse. For eye contact, flush with fresh water for at least 15 minutes. If irritation persists, get medical attention.

- Skin Absorption : Not expected.

- Ingestion Health Risks:

It may be harmful or fatal if swallowed. ingestion may cause nausea, vomiting & diarrhea. Consult a physician.

- Health Hazards : Acute & chronic (not expected).

- Emergency & First Aid Procedures:

1. Dermal : Clean with soap & water.
2. Ingestion : Consult a physician.
3. Inhalation : Remove to fresh air.

Fire & Fire Fighting Data

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|---------------------|---|
| Flash Point | : closed cup 24 -25° C. |
| Flammable limits | : None. |
| Extinguishing media | : Foam, Alcohol Foam, CO2 and dry chemical. |

Physical / Chemical Characteristics

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|---------------------|----------------------|
| Vapor Density | : Heavier than air. |
| Evaporation Rate | : Slower than other. |
| Solubility in Water | : Soluble. |
| Appearance/Odor | : Liquid, Mild Odor |

For more information please refer to the Material Safety Data Sheet.