

Falco General Purpose Epoxy

Product Description

Falco General Purpose Epoxy is a two pack based on a high molecular weight epoxy resin. It provides high resistance to solvents, mineral oils, salt solution, mild acids, alkalis, heavy duty and hard coat.

Recommended Usage

To be used for internal and external steel surfaces.

Technical Data

Color	As per our color card.		
Finish	Smooth / Gloss, Semi-gloss or Matt.		
Solid contents	44 % ± 2 by volume.		
	Minimum	Maximum	Typical
Wet film thickness (microns)	113.3	136.4	125
Dry film thickness (microns)	50	60	55
Theoretical spreading rate (m ² /ltr.)	8.8	6.67	8
Viscosity	8 - 10 poises @ 25°C.		
Specific gravity	1.35 ± 0.05 gm/cm ³		
Drying time	Dry to touch (hours)		8
	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:

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

Physical Properties

- Gloss Retention: Very good.
- Water Resistance: Excellent.
- Chemical Resistance: Very good.
- Solvent Resistance: Very good.
- Abrasion: Excellent.

Application Data

Surface Preparation

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

EPOXY BASE

Tools

Brush, roller or spray.

Spray Data

Pressure at nozzle : 150 kg/cm² (2100 PSI)
 Nozzle tip (inches) : 0.018 - 0.027
 Spray Angle : 40 - 80°
 Filter : be sure that the filters are clean.

Application Method

Apply two coats of [Falco General Purpose Epoxy](#) by brush, roller or spray thinned with Thinner 2050 (10-15% by volume).

Recommended paint system full epoxy:

- Falco General Purpose Epoxy Primer 1 coat
- [Falco General Purpose Epoxy](#) 2 coats

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

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

Physical / Chemical Characteristics

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.