

Falco Polyurethane Varnish

Product Description

Falco Polyurethane Varnish is based on special synthetic polyurethane resin. It is provide gloss or matt varnish finish and good enhances adhesion to the substrate with excellent water resistance.

Recommended Usage

To be used as a top coat for interior and exterior surfaces such as concrete, plaster gypsum board, wood and steel.

Technical Data

Finish	Smooth / Gloss or Matt.		
Component	Single		
Solid contents	35 % ± 2 by volume		
	Minimum	Maximum	Typical
Wet film thickness (microns)	85.7	114	100
Dry film thickness (microns)	30	40	35
Theoretical spreading rate (m ² /ltr.)	11.6	8.75	10
Viscosity	4-6 poises @ 25°C		
Specific gravity	1.0 ± 0.05 gm/cm ³		
Drying time	Dry to touch (hours)		1
	Dry to recoat (hours)		2
Thinner / Cleaning	Falco Thinner 1010		

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, roller or spray.

Spray Data

Pressure at nozzle : 150 kg/cm² (2100 PSI)
 Nozzle tip (inches) : 0.018 - 0.021
 Spray Angle : 65 - 80°
 Filter : be sure that the filters are clean.

SOLVENT BASE

Application Method

Apply two coats or one coat of **Falco Polyurethane Varnish** (top coat) by brush, roller or spray thinned with Thinner 1010 (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

Flash Point	: closed cup 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.