

Falco PU. Membrane

Product Description

Falco PU. membrane is based on 100% pure epoxy two pack high performance self leveling solvent free product, designed to resist aggressive chemicals, water, mineral oils, most of diluted acids and alkalis. It provides a hard impact and abrasion resistance with an excellent intermediate coat.

Recommended Usage

Highly recommended for interior & exterior concrete flooring such as workshops, garages, warehouses and industrial floors. Anti slip aggregates to be applied when heavy tracks are expected.

Technical Data

Color	Limited colors.		
Finish	Smooth / glossy.		
Solid Content	100 % by volume		
	Minimum	Maximum	Typical
Wet film thickness (microns)	300	400	350
Dry film thickness (microns)	300	400	350
Theoretical spreading rate (m ² /ltr.)	3.4	2.5	3.0
Viscosity	2.5 – 3.5 min. by ford cup no. 4 @ 25°C.		
Specific gravity	1.25 ± 0.05 gm/cm ³		
Drying time	Dry to touch (hours)		3
	Dry to recoat (hours)		6
	Fully cured (days)		7
Cleaning	Falco Thinner 2050		
Mixing ratio	4 parts A (base) : 1 part B (hardener)		
Pot life	50 min. @ 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

Trowel or Roller.

Application Method

Apply two coats of **Falco PU. Membrane** by trowel or roller.

Recommended paint system full epoxy:

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| • Falco Epoxy Sealer | 1 coat |
| • Falco PU. membrane | 1 coat |
| • Falco Polyurethane floor paint | 1 or 2 coats |

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

- 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:

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|---------------|----------------------------|
| 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

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.