

# Falco Epoxy Floor Paint "Solvent Free"

## Product Description

Falco Epoxy Floor Paint "Solvent Free" 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 highly adhesion, a hard impact and abrasion resistance with an excellent coating for floors which exposed to different temperatures range were high is up to 60 °C and low is -25 °C. Anti-slip aggregates to be applied when heavy tracks are expected.

## Recommended Usage

Highly recommended for interior concrete flooring such as workshops, garages, warehouses and industrial floors. It could be applied over any concrete surfaces including walls & soffits as well.

## Technical Data

|   |   |         |         |
|---|---|---------|---------|
| Color   | Limited colors.                           |         |         |
| Finish  | Smooth / glossy.                          |         |         |
| Solid Content                                     | 100 % by volume                           |         |         |
|   | Minimum                                   | Maximum | Typical |
| Wet film thickness (microns)                      | 200                                       | 300     | 250     |
| Dry film thickness (microns)                      | 200                                       | 300     | 250     |
| Theoretical spreading rate (m <sup>2</sup> /ltr.) | 5   | 3.3     | 4       |
| Viscosity   | 2.5 – 3.5 min. by ford cup no. 4 @ 25°C.  |         |         |
| Specific gravity                                  | 1.77 ± 0.05 gm/cm <sup>3</sup>            |         |         |
| 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

Roller.

### Application Method

Apply two coats of **Falco Epoxy Floor Paint "Solvent Free"** by roller.

### Recommended paint system full epoxy:

- Falco Epoxy Sealer 1 coat
- **Falco Epoxy Floor Paint "Solvent Free"** 1 or 2 coats

2<sup>nd</sup> coat of **Falco Epoxy Floor Paint "Solvent Free"** is to be applied before full curing of 1<sup>st</sup> coat.

**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.