

Falco Silk Diamond

Product Description

Falco Silk Diamond is based on a modified Acrylic water based product. It's a suitable product to give long term protection against deterioration of the dried paint film due to the growth of bacteria, fungi and algae. It is highly washable and very good water and alkaline resistance.

Recommended Usage

To be used for exterior and interior surfaces such as concrete, rendered bricks, wood works, partitions and gypsum mainly for hospitals, clinics and schools.

Technical Data

Color	White or as per our color card		
Finish	Smooth / Silky		
Solid Content	45 % ± 2 by volume		
	Minimum	Maximum	Typical
Wet film thickness (microns)	111	133.3	122
Dry film thickness (microns)	50	60	55
Theoretical spreading rate (m ² /ltr.)	9	7.5	8.2
Viscosity	10 - 14 poises @ 25°C.		
Specific gravity	1.26 ± 0.01 gm/cm ³		
Drying time	Dry to touch (hours)		1
	Dry to recoat (hours)		3
Thinner / Cleaning	Fresh water		

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 : 140-190 kg/cm² (2100 PSI)
 Nozzle tip : 0.021"- 0.027"
 Spray Angle : 65-80°
 Filter : be sure that the filters are clean.

WATER BASE

Application Method

Apply two coats of **Falco Silk Diamond** (top coat) by brush, roller or spray thinned with fresh water (max. 10% by volume).

Recommended paint system for interior:

- Falco Sealer Primer P.V.A 1 coat
- Falco Stucco Putty 2 coats
- **Falco Silk Diamond** 2 coats

Recommended paint system for limited exteriors:

- Falco G.P Primer or Falco Acrylic Emulsion Primer 1 coat
- Falco G.P I Acrylic (Putty or Texture) 1 coat
- **Falco Silk Diamond** 2 coats

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

Packing size

- 1 liter, 1 US gallon and 5 US gallons plastic or 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 material's 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 : None 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.

WATER BASE

Fire & Fire Fighting Data

Flash Point	: None.
Flammable Limits	: None.
Extinguishing Media	: Foam, Alcohol Foam, Co2, Dry Chemical or Water.

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.