Falco Modified Silicon Primer

Product Description

Falco Modified Silicon Primer is based on a acrylic copolymer with silicon additive water based product. Providing water repellent and grant free passage to water vapor, it provides long lasting protection against moisture. It contains anti fungal and algae additives.

Recommended Usage

To be used for internal and external surfaces such as plaster, concrete, gypsum boards and wood surfaces.

Technical Data

Color	White or as per our color card		
Finish	Smooth /Matt		
Solid Content	35% ± 2 by volume		
	Minimum	Maximum	Typical
Wet film thickness (microns)	86	143	114
Dry film thickness (microns)	30	50	40
Theoretical spreading rate (m2/ltr.)	11.6	7	8.75
Viscosity	16 - 18 poises @ 25ºC.		
Specific gravity	1.4 ± 0.05 gm/cm³		
Drying time	Dry to touch (hours)		1
	Dry to recoat (hours)		4
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^{o}
Filter	: be sure that the filters are clean.

Application Method

Apply one coat of Falco Modified Silicon Primer by brush, roller or spray thinned with fresh water (10 - 15% by volume).

Recommended paint system for interior:

• Falco Modified Silicon Primer	1 coat
• Falco Modified Silicon Putty	2 coats
• Falco Modified Silicon Emulsion	2 coats

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

Packing size

- 1 US gallon and 5 US gallons plastic or steel cans (for local).
- 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:

  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	: 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.