

Falco Protective Paint

Product Description

Falco Protective Paint is based on Acrylic Copolymer water based low VOC product. Washable, Easy to apply providing smooth finish paint. It contains special additive to give long term protection against deterioration of the dried paint film due to the growth of bacteria, fungi, and algae which they grow in hospital atmosphere.

Recommended Usage

For most exterior and interior surfaces such as concrete, plastered wall, wood surfaces mainly for hospitals, clinics and schools.

Technical Data

Color	Black or as per our color card.		
Finish	Smooth / Matt or semi gloss		
Solid Content	42% ± 2 by volume		
	Minimum	Maximum	Typical
Wet film thickness (microns)	119	143	131
Dry film thickness (microns)	50	60	55
Theoretical spreading rate (m ² /ltr.)	8.4	7	7.6
Viscosity	20 - 30 poises @ 25°C.		
Specific gravity	1.3 ± 0.05 gm/cm ³		
Drying time	Dry to touch (hours)		1
	Dry to recoat (hours)		2
Thinner / Cleaning	Fresh water		

Bacteriastatic & fungistatic protection of paint

Growth of bacteria

Escherichia coli:	Not observed
Staphylococcus aureus:	Not observed
Candida albicans:	Not observed
Rhodotorula mucilajinosa :	Not observed
Aspergillus's niger:	Not observed

Theoretical spreading rate is a value that depends on solid content and desired dry film thickness by the following equation:

$$\text{Theoretical spreading rate} = \frac{10 \times \text{solid content by volume}}{\text{DFT in microns}}$$

WATER BASE

Application Data

Surface Preparation

The surface must be clean, dry and free from dust, oil, grease and any contaminations.

Tools

Brush or roller or spray.

Spray Data

Pressure at nozzle	: 140-190 kg/cm ² (2100 PSI)
Nozzle tip	: 0.021"- 0.027"
Spray Angel	: 65 – 80°
Filter	: be sure that the filters are clean.

Application Method

Apply two coats of **Falco Protective Paint** (top coat) by brush or roller thinned with fresh water (10-15% by volume).

Recommended paint system:

- **Falco Protective Paint** 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).

WATER BASE

- 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.