Gulf Shield Hygienic Coating

"Nanotechnology"

Product Description

Gulf Shield Hygienic coating is 100 % pure acrylic water based antimicrobial silver - nanotechnology content.it is specially developed for tough service environments providing an extremely durable, low VOC, highly washable finish and odor-free. Permanently provide excellent protection against growth of microbes on paint film as well as fungi, algae and mold.

Recommended Usage

To be used as a top coat for interior surfaces such as concrete, cement, plaster, brick and wood works for hospital, clinics, surgery rooms, food industry schools etc.

Color	White or as per our color card.		
Finish	Silky finish		
Solid Content	40% ± 2 by volume		
	Minimum	Maximum	Typical
Wet film thickness (microns)	75	100	87
Dry film thickness (microns)	30	40	35
Theoretical spreading rate (m2/ltr.)	13	10	11
Viscosity	9 - 11 poises @ 25ºC.		
Specific gravity	1.20 ± 0.05 gm/cm³		
PH	8		
Drying time @ 25 Degree & 50% humidity	Dry to touch (hours)		6
	Dry to recoat (hours)		12
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 : .021"- .027"

Spray Angle : 65-80°
Filter : be sure that the filters are clean.

Application Method

Apply two coats of Gulf Shield Hygienic coating as a top coat by brush, roller or spray thinned with fresh water (10-15% by volume).

Recommended paint system for interior

- Falco Acrylic primer — 1 coat
- G P Acrylic Putty — 2 coats
- Gulf Shield Hygienic coating — 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.

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.