

## Gulf Shield Silk 'Hard Top'

### Product Description

Gulf Shield Silk "Hard Top" is based on 100 % pure silicone acrylic water based product. Designed to withstand the harassment of gulf weather. It provides fungi and algae growth resistance, anti-carbonation properties, water repellent, low dirt pick up, crack bridging ability up to 0.75mm, UV resistance, durable and long lasting coat.

### Recommended Usage

To be used as a top coat for interior and exterior surfaces such as concrete, cement, plaster, brick and wood works.

### Technical Data

Color	White or as per our color card.		
Finish	Silky / Eggshell.		
Solid Content	40% ± 2 by volume		
Volatile Organic Compound (VOC)	2.6 g/l		
	Minimum	Maximum	Typical
Wet film thickness (microns)	75	100	88
Dry film thickness (microns)	30	40	35
Theoretical spreading rate (m <sup>2</sup> /ltr.)	13	10	11.4
Viscosity	9 - 11 poises @ 25°C.		
Specific gravity	1.20 ± 0.05 gm/cm <sup>3</sup>		
Drying time	Dry to touch (hours)		2
	Dry to recoat (hours)		6
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/cm<sup>2</sup> (2100 PSI)  
 Nozzle tip : .021" - .027"  
 Spray Angle : 65-80°

## WATER BASE

Filter : be sure that the filters are clean.

### Application Method

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

#### Recommended paint system for interior

- Falco Sealer Primer (P.V.A) 1 coat
- Falco Stucco Putty 2 coats
- **Gulf Shield Silk "Hard Top"** 2 coats

#### Recommended paint system for exterior

- Falco Penetrating Primer S.B (if required) 1 coat
- Gulf Shield Primer 1 coat
- G P Acrylic Putty for hair crack only.
- **Gulf Shield Silk "Hard Top"** 2 coats

#### Acrylic shield system for exterior

- Falco Acrylic Primer or Falco G P Acrylic Primer 1 coat
- Falco G P I Acrylic (Texture or Spray Compound) 1 coat
- **Gulf Shield Silk "Hard Top"** 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).

## WATER BASE

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- 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.