

## Gulf Silane Siloxane

### (Concentrated for the stone)

#### Product Description

Gulf Silane Siloxane is based on silane siloxane solvent base product. It is suitable for imparting water repellency to porous, mineral building materials and absorbent like concrete, plaster and bricks work. It serves as high quality general purpose water repellent by penetrating the surfaces. It has excellent protection and resistance against moisture, vapor, water, alkali, fungi and algae growth.

#### Recommended Usage

To be used for interior and exterior protection. It is not suitable for gypsum boards

#### Technical Data

|                                                   |                                                    |         |         |
|---------------------------------------------------|----------------------------------------------------|---------|---------|
| Color                                             | Clear                                              |         |         |
| Finish                                            | Smooth / Matt                                      |         |         |
| Solid Content                                     | 10% by volume.                                     |         |         |
|                                                   | Minimum                                            | Maximum | Typical |
| Theoretical spreading rate (m <sup>2</sup> /ltr.) | 8                                                  | 10      | 9       |
| Specific gravity                                  | 0.08 ± 0.02 gm/cm <sup>3</sup>                     |         |         |
| Drying time                                       | Full dry (hours)                                   |         | 24      |
| Thinner / Cleaning                                | Ready to use / use Falco Thinner 1000 for cleaning |         |         |

#### 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.

##### Airless spray data

|                 |                                       |
|-----------------|---------------------------------------|
| Nozzle pressure | : 150 kg/cm <sup>2</sup> (2100 PSI)   |
| Nozzle tip      | : 0.013"- 0.018"                      |
| Spray Angle     | : 40 - 80°                            |
| Filter          | : be sure that the filters are clean. |

## ALKYD BASE

### Application Method

Apply two coats of **Gulf Silane Siloxane** by brush, roller or spray wet to wet followed by any paint system after 6 hours.

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

### Packing size

- 1 liter, 1 US gallon and 5 US gallons 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 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 : Not 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         | : 35 °C.                                    |
| Flammable limits    | : None.                                     |
| Extinguishing media | : Foam, Alcohol Foam, CO2 and dry chemical. |

### 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.