

Gulf Shield Penetrating Primer (S.B)

Product Description

Gulf Shield Penetrating Primer (S.B) is based on special type of resin solvent base product, specially selected to provide maximum penetrating properties with excellent alkali resistance.

Recommended Usage

It is highly recommended as penetrating primer sealer for concrete, plastered wall, bricks and wood work.

Technical Data

| | | | |
|---|--------------------------------|---------|---------|
| Color | White | | |
| Finish | Smooth / Matt | | |
| Solid Content | 35% ± 2 by volume | | |
| | Minimum | Maximum | Typical |
| Wet film thickness (microns) | 100 | 128.5 | 114 |
| Dry film thickness (microns) | 35 | 45 | 40 |
| Theoretical spreading rate (m ² /ltr.) | 10 | 7.7 | 8.75 |
| Specific gravity | 1.05 ± 0.05 gm/cm ³ | | |
| Drying time | Dry to touch (hours) | | 2 |
| | Dry to recoat (hours) | | 6 |
| Thinner / Cleaning | Falco Thinner 1010 | | |

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 | : 140 kg/cm ² (1990 PSI) |
| Nozzle tip | : 0.015" - 0.021" |
| Spray Angle | : 65° - 80° |
| Filter | : be sure that the filters are clean. |

Application Method

Apply one coat of Gulf Shield Penetrating Primer (S.B) by brush, roller or spray thinned by Thinner 1010 (10-15% by volume).

Recommended paint system

- [Gulf Shield Penetrating Primer \(S.B\)](#) 1 coat
- Any top coat 1 or 2 coats

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 | : 38° 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.