

## TECHNICAL DATA SHEET



ALPEN SILICON S47

### DESCRIPTION OF THE PRODUCT

**ALPEN SILICON S47:** 100% acrylic silicon paint of premium quality for exterior use

- Great solution for areas with wet climate and adverse weather conditions
- Combines water repellence with high water vapour permeability
- Great hiding power
- Superior whiteness
- Shades with long lasting color stability
- Smooth matt finish
- Great working and leveling properties
- Strong adhesion

### RECOMMENDED USES

Exterior new or old surfaces of plaster, concrete, brick, stucco. It is particularly recommended for the restoration of historical and traditional buildings.

### TECHNICAL CHARACTERISTICS

|                                                                                                 |                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resin                                                                                           | Acrylic and Silicon Resins                                                                                                                                                   |
| Density (white)                                                                                 | 1,50±0,02 gr/ml                                                                                                                                                              |
| Production viscosity (white)<br>Storage viscosity (white)                                       | 115±5 KU 23°C<br>115±5 KU 23°C                                                                                                                                               |
| Spreading rate                                                                                  | Up to 8m <sup>2</sup> /lit for each coat                                                                                                                                     |
| Dry through(white)<br>Recoating time (white)<br>Dry through (shades)<br>Recoating time (shades) | 60±10 minutes<br>16 hours<br>60±10 minutes<br>16 hours<br><i>(Drying and recoating time may be prolonged under conditions of low temperature and high relative humidity)</i> |
| Shades                                                                                          | Available in white and in thousands of shades via the DEUTSCH COLOR TINTING SYSTEM (DCTS).                                                                                   |
| VOC (Volatile Organic Compounds)                                                                | Limit value for this product Category A/c "exterior walls of mineral substrate": 40g/l (2010). The product contains max. 39g/l.                                              |

## APPLICATION INSTRUCTIONS

**Application method:** Brush, roller, airless spray

**Diluent:** Water

**Thinning:** 10-15% v/v

Surfaces must be clean, dry and free from all defective and poorly adhering material, dust, dirt, oils and salts.

|                                           |                                                                                                                |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Hansa Spachtel/ Spachtel Elastisch</b> | For filling, where ever is necessary                                                                           |
| <b>Macht Tiefgrund TB</b>                 | Thinned 100% with Pinsel Sol TB, for concrete surfaces                                                         |
| <b>Macht Tiefgrund Wasser</b>             | Thinned up to 100%, for very porous surfaces or surfaces already coated with lime or low quality chalky paints |
| <b>ALPEN SILICON S47</b>                  | Directly, for the refinishing of sound surfaces                                                                |

**ALPEN SILICON S47** is applied in 2 coats.

Tools are cleaned immediately after the application with soap and water.

## PACKAGING

3lit and 10lit

## STORAGE

18 months, provided the cans remain closed and in normal storing conditions.

## HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

Refer to the labeling mentioned on the can. In case more information is needed, refer to the Material Safety Data Sheet

## NOTES

- On fresh concrete surfaces it is recommended to apply the product at least after 30-40 days.
- It is recommended to avoid the application of the product at temperatures below 5°C or just before rain.
- **ALPEN SILICON S47** bases are **ONLY** used for the production of colored shades via DCTS. They should not be applied without the special colorants.

