



# SMALTOPLAST SILICONE

## SILICONE 100% ACRYLIC ECOLOGICAL PAINT

### GENERAL CHARACTERISTICS

**SMALTOPLAST SILICONE** is ecological premium quality acrylic emulsion paint for exterior use based on both silicone and 100% acrylic resins. It can be used to paint new or old painted walls and concrete surfaces. Its important advantage compared to the normal acrylic paints is the combination of very low water absorption and high water vapor permeability. As a result, there is higher protection against blistering, flaking and in the same time the thermal insulation of the substrate is reinforced! Low odor. Easy to apply with very good leveling and hiding power. The excellent adhesion and weather resistance guarantee the higher protection of the exterior facades.

The eco system **Smaltoplast Universal Primer** and **SMALTOPLAST SILICONE** creates a strong barrier against atmospheric pollution and protects the masonry and concrete substrates from carbonization. Due to its synthesis protects the film from growth of fungi and algae especially in wet conditions. **SMALTOPLAST SILICONE** is ideal for exterior surfaces under contrary weather conditions. It is highly recommended for the renovation of historical and traditional buildings. Minimised content of hazardous substances. Reduced volatile organic compounds (VOCs).

### TECHNICAL CHARACTERISTICS

- Texture** : Mat velvet with sheen up to 10-16 units at 85°.
- Specific gravity** : 1,25 – 1,50kg/lit, depending on the shade.
- Covering power** : 11 – 13 m<sup>2</sup>/lit per layer depending on the surface.
- Dilution** : 8 – 15% on volume with water.
- VOC class:** : “Exterior wall coatings of mineral substrate”. Type WB. VOC limit = 40gr/lit. Max VOC of product ready for use = 20gr/lit. VOC: organic volatile compounds with boiling point < 250°C.
- Drying** : Dry to touch in 1 hour.
- Recoatibility** : Recoatable after 4– 6 hours. Dark shades shall be recoated after 8-10 hours. The paint adopts full resistance after 15-20 days. These times prolong under cold and wet conditions.
- QUV weathering** : No cracking, flaking, blistering or chalking (ISO 16474-3, ISO 4628)
- Adhesion** : Paint adhesion > 4.63MPa (ISO 4624)
- Water-vapor permeability-Water absorption** : This product is «breathing» and «non permeable» by water according to EN DIN 1062-2 EN and DIN 1062-3

**Antifungal properties** : The product has excellent resistant against fungi and algae, according to EN15457.  
**Shades** : White and thousands of shades via **COLOR MOODS** VECHRO Tinting System.

**PACKING:** White: 3lt & 10lt.  
Shades: 3lt & 10lt.

**APPLICATION EQUIPMENT:** Brush, roller.

### **SURFACE PREPARATION**

Clean the surface of dust, oil, cropped paints and dampness. Sandpaper well. New surfaces shall be primed with **Smaltoplast Universal Primer**, diluted with water up to 100%. Very dirty surfaces (damp, nicotine, ink, fungi, graffiti, oil spots etc) should be primed with special primer **SMALTOX hydro**.

### **APPLICATION**

Stir well before use. Apply two coats of **SMALTOPLAST SILICONE**.

**Minimization of paint wastage:** for a surface of 10 m<sup>2</sup>, 1,6lt of paint is needed for two coats.

**Advice!** For dark shades, in order to minimize the number of coats, we propose to apply as first coat **Smaltox hydro** or **Smaltoplast Silicone** in grey S1502-Y for yellow shades, S1502-R for red shades or a lighter shade of the same hue which is produced from a base with better opacity.

### **CLEANING TOOLS**

While working keep your equipment wet, either in the pot or in the paint launder. Strain well your tools from paint back to the pot and clean immediately with water and soap. Close well after use.

### **APPLICATION CONDITIONS**

Temperature 8-30 °C and relative humidity lower than 80%. Contrary weather conditions may degrade paint's quality. New cementinous surfaces should be dried for 3-4 weeks before priming.

### **STORAGE**

Store in a cool place, protect from freezing and sun exposure. Close the can well after application to keep in good condition. Recover unused paint for re-use. Reuse of paint can effectively minimize the product's life cycle environmental impact.

### **LABELLING**

Contains biocidal products [ZnPy (13463-41-7), TERBUTRYN (886-50-0) & OIT (26530-20-1)] for the preservation of the dry film. Do not dispose near surface water during or after use. Contains 2-octyl-2H-isothiazol-3-one and CIT/MIT. May produce an allergic reaction.

This product has been awarded with the Eco-label, eco criteria 312/2014/EE product category "indoor & outdoor paints and varnishes".



#### **Better for the environment ...**

- Minimized content of hazardous substances
- Reduced volatile organic compounds (VOCs): 20gr/lit
- Good performance for indoor use

**... better for you.**