

# MARMOCRYL SILICONE Fine

## Silicone, pasty, ready-to-use render Smooth finish • White or colored • Water-repellent

### Description

MARMOCRYL SILICONE Fine is a ready-to-use, pasty, white or colored, silicone acrylic render. It consists of aggregates of special particle size granulation that form a smooth decorative surface. It offers the following benefits:

- High elasticity and excellent bonding to the substrate.
- Total water-repellency, according to EN1062-3.
- Excellent vapor permeability.
- No need for facade painting.
- Resistance to alkalis, according to DIN 18556.
- Crack prevention, unlike ordinary cement-lime renders.
- Simplified and faster application.
- Suitability for both indoor and outdoor applications.

Certified with the CE marking according to EN 15824.

### Fields of application

MARMOCRYL SILICONE Fine is used as the finishing coat of rendering works, to create a white or colored, water-repellent smooth finish surface (thin layer). It can be applied on all kinds of building materials, like render, concrete, cement boards, gypsum boards etc. Suitable for outdoor and indoor applications. It replaces the final render coat.

Due to its high elasticity and excellent bonding to the substrate, it is also an ideal final layer for external, thermally insulated facades.

### Technical data

Form: pasty  
Colors: white and 1024 selected (ISOMAT COLOR SYSTEM)

Density: 1.80 ± 0.03 kg/l

Water vapor permeability: V1  
(EN ISO 7783-2, V1: High Sd<0.14m)

Water permeability W3  
(EN 1062-3, W3: Low w< 0.1 kg/m<sup>2</sup>h<sup>0.5</sup>)

Adhesion: 0.4 MPa  
(EN 1542)

Thermal conductivity λ=0.7 W/(m · K)  
(EN 1745)

Reaction to fire Euroclass C

Drying time: 4-6 h (23°C and 50% R.H.)

Cleaning of tools:

Tools should be cleaned with water, after use.

### Available Types

Depending on the particle size of aggregates, MARMOCRYL SILICONE Fine is available in the following types:

Type	Thickness of application
<b>MARMOCRYL SILICONE Fine 1 mm</b>	approx. 1 mm
<b>MARMOCRYL SILICONE Fine 1.5 mm</b>	approx. 1.5 mm
<b>MARMOCRYL SILICONE Fine 2 mm</b>	approx. 2 mm

### Consumption

Approx. 1.8 kg/m<sup>2</sup>/mm.

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## Directions for use

### 1. Substrate preparation

The substrate must be dry and free of dust, oily or loose materials etc. It is then primed with the special primer SILICONE-PRIMER. Smooth or non absorbent surfaces should be primed with PL-BOND. MARMOCRYL SILICONE Fine is applied after the primer has dried.

### 2. Application

MARMOCRYL SILICONE Fine should be thoroughly stirred before application with slow circular motions, to avoid creating bubbles in the mass of the material. The render is applied by hand, using a smooth, stainless metal spatula, or with a rendering machine. While still fresh (approx. after 20 minutes), the render is treated (pressed) with a plastic spatula. Working time depends on the substrate absorptivity and ambient temperature.

## Packaging

MARMOCRYL SILICONE Fine is supplied in plastic containers of 25 kg.

## Shelf-life - Storage

18 months from production date, if stored in original, unopened packaging, at temperatures between +5°C and +35°C. Protect from direct sun exposure and frost.

## Remarks

- The natural aggregates used in the render can cause slight differences in color. For this reason and in order to achieve uniform color result, it is recommended the products to come from the same batch or to mix products from different batches. Moreover, the final color may be affected by the substrate temperature and humidity.
- Temperature during application should be between +5°C to +35°C.
- MARMOCRYL SILICONE Fine while it is still fresh should be protected from high temperatures, rain and frost.
- Consult the directions for safe use and precautions written on the package.

## Volatile Organic Compounds (VOCs)

According to the Directive 2004/42/CE (Annex II, table A), the maximum allowed VOC content for the product subcategory c, type WB is 40 g/l (2010) for the ready-to-use product.

The ready-to-use product MARMOCRYL SILICONE Fine contains a maximum of 40 g/l VOC.

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**EN 15824**

**External render based on organic binder**

DoP No.: MARMOCRYL SILICONE FINE/1405-02

**Water vapor permeability:** V1

**Water absorption:** W3

**Adhesion:** 0.4 MPa

**Durability:** NPD

**Thermal conductivity:**  $\lambda = 0.7 \text{ W/(m} \cdot \text{K)}$

**Reaction to fire:** Euroclass C

**ISOMAT S.A.**

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The technical information and instructions supplied in this datasheet are based on the knowledge and experience of the Department of Research and Development of our company and on results from long-term applications of the product in practice. The recommendations and suggestions referring to the use of the product are provided without guarantee, since site conditions during the applications are beyond the control of our company. Therefore the user is responsible for confirming that the chosen product is suitable for the envisaged application. The present edition of this technical datasheet automatically cancels any previous one concerning the same product.

