

# MARMOCRYL

## SILICONE-SILICATE Decor

**Silicone-Silicate, ready-to-use, exceptionally vapor-permeable finish render – Coarse finish**

### Description

MARMOCRYL SILICONE-SILICATE Decor is a ready-to-use, pasty, white or colored, silicate finish render with special silicone additives. It consists of aggregates of special particle size that form a coarse-textured decorative surface. It offers the following benefits:

- High elasticity and excellent bonding to the substrate.
- The potential to create different, coarse-textured decorative surfaces, depending on the rubbing technique.
- High water-repellency.
- Excellent vapor permeability and thus maximum breathability of the building.
- No need for facade painting.
- Resistance to alkalis, according to DIN 18556.
- Crack prevention, unlike traditional cement-lime renders.
- Simplified, fast application.
- Suitability for both interior and exterior applications.

Certified according to EN 15824:2017. CE marked.

### Fields of application

MARMOCRYL SILICONE-SILICATE Decor is used as a thin finishing coat of rendering works, to create a white or colored, water-repellent coarse-textured finish. Applicable to all kinds of building materials like render, concrete, cement boards, gypsum boards, etc. Suitable for interior and exterior wall surfaces. It replaces the final coat of render.

Thanks to its high elasticity and excellent bonding to the substrate, it is the ideal finish coat for external thermal insulation systems, e.g. the ISOMAT THERMOSYSTEM certified thermal insulation systems.

### Technical data

Form: pasty  
 Colors: white and selected colors (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 W2 (EN 1062-3, W2: Medium 0.1<w< 0.5 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 B-s2,d0  
 Drying time: 4-6 h (23°C and 50% R.H.)

Cleaning of tools:  
 Tools should be cleaned with water, immediately after use.

### Available Type

Type	Application thickness
MARMOCRYL SILICONE-SILICATE Decor 2 mm	~ 2 mm

### Consumption

Approx. 1.6 kg/m<sup>2</sup>/mm of render thickness.

### Directions for use

#### 1. Substrate preparation

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

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### 2. Application

MARMOCRYL SILICONE-SILICATE Decor should be thoroughly stirred before application. This should be done with slow circular movements to avoid creating bubbles in the mass of the material. The render is applied by hand, with a smooth, stainless, metal trowel, or with a rendering machine.

While still fresh (5-15 min. after its application), the render is treated (pressed) with a plastic float, in horizontal, vertical, or circular movements, depending on the desired final appearance of the surface.

Working time depends on substrate absorbency and ambient temperature.

### Packaging

MARMOCRYL SILICONE-SILICATE Decor is supplied in 25 kg plastic containers.

### 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 a uniform color result, it is recommended to use products of the same batch or to mix products from different batches. Moreover, the final color may be affected by the substrate, as well as the ambient temperature and humidity.
- Temperature during application should be between +5°C to +35°C.
- While still fresh, MARMOCRYL SILICONE-SILICATE Decor should be protected from high temperatures, rain and frost.
- Consult the safety instructions written on the packaging before use.

### Volatile Organic Compounds (VOCs)

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

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



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#### EN 15824

External render based on organic binder

DoP No.: MARMOCRYL SILICONE –  
SILICATE DECOR / 1413-03

**Water vapor permeability:** V1

**Water absorption:** W2

**Adhesion:** 0.4 MPa

**Durability:** NPD

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

**Reaction to fire:** Euroclass B-s2,d0

#### ISOMAT S.A.

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