

MARMOCRYL SILICONE Decor

Silicone, ready-to-use, exceptionally water-repellent and vapor-permeable finish render – Coarse finish

Description

MARMOCRYL SILICONE Decor is a ready-to-use, pasty, white or colored, silicone-acrylic render consisting of aggregates with special particle size distribution to 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.
- Total water-repellency according to EN 1062-3.
- Excellent vapor permeability.
- No need for facade painting.
- Resistance to alkalis according to DIN 18556.
- Crack prevention, unlike traditional cement-lime renders.
- Simplified and faster application.
- Suitability for both indoor and outdoor applications.

Certified according to EN 15824:2017. CE marked.

Fields of application

MARMOCRYL SILICONE 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 kg/l ± 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/m²h^{0.5})

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, 50% R.H.)

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

Available type

Type	Application thickness
MARMOCRYL SILICONE Decor 2 mm	~ 2 mm

Consumption

Approx. 1.6 kg/m²/mm.

Directions for use

1. Substrate preparation

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

2. Application

MARMOCRYL SILICONE Decor 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 steel spatula, or with a rendering machine. While still fresh (5-20 min. after its application), the render is treated (pressed) by plastic float, in horizontal, vertical, or circular movements depending on the desirable appearance of the surface.

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Working time depends on substrate absorbency and ambient temperature.

Packaging

MARMOCRYL SILICONE Decor 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 sunlight 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 of different batches. Moreover, the final color may be affected by substrate temperature and humidity.
- Temperature during application should be between +5°C to +35°C.
- While still fresh, MARMOCRYL SILICONE 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 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
DECOR/1404-02

Water vapor permeability: V1

Water absorption: W3

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.

BUILDING CHEMICALS AND MORTARS

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