

Silicone, pasty, ready-to-use render
Coarse-textured finish • White or colored • Water-repellent

Description

MARMOCRYL SILICONE Decor is a ready-to-use, pasty, white or colored, silicone acrylic render. 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 way of rubbing.
- 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 Decor is used as the finishing coat of rendering works, to create a white or colored, water-repellent coarse-textured 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 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/m ² h ^{0.5}) |
| 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 Decor is available in the following types:

| Type | Thickness of application |
|--------------------------------------|--------------------------|
| MARMOCRYL SILICONE Decor 2 mm | approx. 2 mm |
| MARMOCRYL SILICONE Decor 3 mm | approx. 3 mm |

MARMOCRYL SILICONE Decor

Consumption

Approx. 1.6 kg/m²/mm.

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 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, metal spatula, or with a rendering machine.

While still fresh (approx. after 20 minutes), the render is treated (pressed) by plastic float, in horizontal, vertical, or circular movements depending on the desirable appearance of the surface.

Working time depends on the substrate absorptivity 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 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 of 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.
- While still fresh, MARMOCRYL SILICONE Decor 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 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.

MARMOCRYL SILICONE Decor

**ISOMAT S.A.**

17th km Thessaloniki – Ag. Athanasios
P.O. BOX 1043, 570 03 Ag. Athanasios, Greece

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EN 15824**External render based on organic binder**

DoP No.: MARMOCRYL SILICONE DECOR/1404-01

Water vapor permeability: V1

Water absorption: W3

Adhesion: 0.4 MPa

Durability: NPD

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

Reaction to fire: Euroclass C

ISOMAT S.A.

BUILDING CHEMICALS AND MORTARS

MAIN OFFICES - FACTORY:

17th km Thessaloniki - Ag. Athanasios Road,
P.O. BOX 1043, 570 03 Ag. Athanasios, Greece,
Tel.: +30 2310 576 000, Fax: +30 2310 722 475

www.isomat.eu e-mail: info@isomat.eu

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