Technical Datasheet

MARMOCRYL SILICONE-SILICATE Fine

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

Description

MARMOCRYL SILICONE-SILICATE Fine is a pasty, white or colored silicate finish render with special silicone additives. It consists of aggregates of special particle size delivering a smooth decorative finish. It offers the following benefits:

- High elasticity and excellent adhesion to the substrate.
- Total water-repellency according to EN 1062-3.
- Excellent vapor permeability and thus maximum breathability of the building.
- No need for facade painting.
- Resistance to alkalis according to DIN 18556.
- Reinforced with polypropylene fibers for effective protection against cracking
- Simple, fast application.
- Part of ISOMAT THERMOSYSTEM certified external thermal insulation systems.
- Suitability for interior and exterior application.

Certified according to EN 15824:2017. CE marked.
MARMOCRYL SILICONE-SILICATE Fine has received an Environmental Product Declaration (EPD) following an assessment of its life-cycle environmental impacts. Registration No: EPD-IES-0009189, The International EPD® System.

Fields of application

MARMOCRYL SILICONE-SILICATE Fine is used as a thin-coat render delivering a white or colored, water-repellent smooth-textured finish. Applicable to all common building materials including render, concrete, cement board, gypsum board, etc. Suitable for interior and exterior wall surfaces. It replaces the final coat in a rendering system.
Thanks to its high elasticity and excellent adhesion to the substrate, it is the ideal final coat in external thermal insulation systems.

Technical data

Form:	pasty
Colors:	white and selected colors through the ISOMAT COLOR SYSTEM tinting system
Density:	1.80 ± 0.03 kg/l
Water vapor permeability: (EN ISO 7783-2, V1: High Sd<0.14m)	V1
Water permeability (EN 1062-3, W3: Low w< 0.1 kg/m^{2}h$^{0.5}$)	W3
Adhesion: (EN 1542)	0.4 MPa
Thermal conductivity (EN 1745)	λ=0.7 W/(m K)
Reaction to fire (EN 13501-1)	Euroclass A2-s1,d0
Drying time: (23°C and 50% R.H.)	4-6 h

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

Available Types

Depending on particle size, MARMOCRYL SILICONE-SILICATE Fine is available in the following types:

Type	Application thickness
MARMOCRYL SILICONE-SILICATE Fine 1 mm	~ 1 mm
MARMOCRYL SILICONE-SILICATE Fine 1.5 mm	~ 1.5 mm

MARMOCRYL SILICONE-SILICATE Fine

Consumption

Approx. 1.8 kg/m^2/mm of render thickness.

Directions for use

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

2. Application
MARMOCRYL SILICONE-SILICATE Fine 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, using 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 trowel. Working time depends on substrate absorbency and ambient temperature.

Packaging

MARMOCRYL SILICONE-SILICATE Fine 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 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 the substrate, the ambient temperature and humidity.
- Temperature during application should be between +5°C to +35°C.
- While still fresh, MARMOCRYL SILICONE-SILICATE Fine 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 40 g/l (2010) for the ready-to-use product.
The ready-to-use product MARMOCRYL SILICONE-SILICATE Fine contains a maximum of 40 g/l VOC.

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. | Edition: 15.04.2026

MARMOCRYL
SILICONE-SILICATE Fine

CE

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EN 15824

External render based on organic binder

DoP No.: MARMOCRYL SILICONE-SILICATE FINE / 1412-03

Water vapor permeability: V1

Water absorption: W3

Adhesion: 0.4 MPa

Durability: NPD

Thermal conductivity: λ = 0.7 W/(m K)

Reaction to fire: Euroclass A2-s1,d0

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