

MARMOCRYL Fine

Acrylic, ready-to-use, exceptionally water-repellent render – Smooth finish

Description

MARMOCRYL Fine is a pasty, white or colored, acrylic finish render consisting of aggregates with special particle size distribution, used to deliver 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.
- Protection against fungi and algae.
- No need for facade painting.
- Resistance to alkalis according to DIN 18556.
- Specially formulated with polypropylene fibers for effective protection against cracking.
- Simple, faster application.
- Part of ISOMAT THERMOSYSTEM certified external thermal insulation systems.
- Suitable for indoor and outdoor applications.

Certified according to EN 15824: 2017. CE marked. MARMOCRYL Fine has received an Environmental Product Declaration (EPD) following an assessment of its life-cycle environmental impacts. Registration No: S-P-09187, The International EPD® System.

Fields of application

MARMOCRYL Fine is used as a thin-coat render delivering a white or colored water-repellent smooth finish. Applicable to all types of building materials like render, concrete, cement boards, gypsum boards, 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 a wide range of colors through ISOMAT COLOR SYSTEM
Density:	1.82 ± 0.03 kg/l

Water vapor permeability:	V2 (EN ISO 7783-2, V2: Medium 0.14 ≤ Sd < 1.4m)
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 B-s2,d0
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 particle size, MARMOCRYL Fine is available in the following types:

Type	Application thickness
MARMOCRYL Fine 1 mm	~ 1 mm
MARMOCRYL FINE 1.2 mm	~1.2 mm
MARMOCRYL Fine 1.5 mm	~ 1.5 mm
MARMOCRYL Fine 2 mm	~ 2 mm

Consumption

Approx. 1.8 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 FLEX-PRIMER or ML-PRIMER. Smooth or non absorbent surfaces should be primed with PL-BOND. MARMOCRYL Fine is applied after the primer has dried.

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2. Application

MARMOCRYL Fine should be thoroughly stirred before application. Stirring should be done 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 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 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 aggregate 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 Fine should be protected from high temperatures, rain and frost.
- Consult the directions for safe use and precautions 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 Fine contains a maximum of 40 g/l VOC.



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EN 15824

External render based on organic binder

DoP No.: MARMOCRYL-FINE/1403-02

Water vapor permeability: V2

Water absorption: W3

Adhesion: 0.4 MPa

Durability: NPD

Thermal conductivity: $\lambda = 0.7$ W/(m K)

Reaction to fire: Euroclass B-s2,d0

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