Technical Datasheet

MARMOCRYL Decor

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

Description

MARMOCRYL Decor is a pasty, white or colored, acrylic finish render consisting of aggregates with special particle size distribution, used to deliver a rough-textured decorative finish. It offers the following benefits:

- High elasticity and excellent adhesion to the substrate.
- A range of rough-textured decorative finishes, depending on the rubbing/finishing 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.
- Simple and faster application.
- Suitability for indoor and outdoor application.

Certified according to EN 15824:2017. CE marked.
MARMOCRYL Decor has received an Environmental Product Declaration (EPD) following an assessment of its life-cycle environmental impacts. Registration No: EPD-IES-0009187, The International EPD® System.

Fields of application

MARMOCRYL Decor is used as a thin-coat render delivering a white or colored water-repellent rough-textured finish. Applicable to all types of building material, 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 (ISOMAT COLOR SYSTEM)
Density:	1.87 kg/l
Water vapor permeability: (EN ISO 7783-2, V2: Medium 0.14 ≤Sd<1.4m)	V2
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	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 Decor 2 mm	~ 2 mm

Consumption

Approx. 1.6 kg/m^2/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 Decor is applied after the primer has dried.

2. Application
MARMOCRYL Decor 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 float, in horizontal, vertical, or circular movements depending on the desired appearance of the

MARMOCRYL Decor

surface. Working time depends on substrate absorbency and ambient temperature.

Packaging

MARMOCRYL 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 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 Decor 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 Decor contains a maximum of 40 g/l VOC.

CE

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-DECOR/1402-02

Water vapor permeability: V2

Water absorption: W3

Adhesion: 0.4 MPa

Durability: NPD

Thermal conductivity: λ = 0.7 W/(m K)

Reaction to fire: Euroclass B-s2,d0

ISOMAT S.A.
BUILDING CHEMICALS, MORTARS & PAINTS
HEADQUARTERS – THESSALONIKI, GREECE
17th km Thessaloniki – Ag. Athanasios Road
P.O. BOX 1043, 570 03 Ag. Athanasios, Greece
T +30 2310 576000
www.isomat.eu e-mail: support@isomat.eu

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