Technical Datasheet

MARMOCRYL GRANIT

Acrylic, ready-to-use, water-repellent decorative coating – Granite-like finish

Description

MARMOCRYL GRANIT is a water-repellent pasty acrylic coating consisting of fine-graded colored aggregates used to deliver a decorative, rough-textured, granite-like finish. It offers the following benefits:

- High elasticity and excellent adhesion to the substrate.
- Water-repellency.
- Excellent vapor permeability.
- No need for facade painting.
- Resistance to alkalis according to DIN 18556.
- Crack prevention, unlike traditional cement-lime renders.
- Simple, faster application.
- For indoor and outdoor applications.

Certified according to EN 15824:2017 and classified as a V2, W2 render. CE marked.

Fields of application

MARMOCRYL GRANIT is used as a thin finishing coat in a rendering system delivering a decorative, colored, water-repellent, rough-textured surface Applicable to all building materials including 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:	8 selected colors (MARMOCRYL GRANIT color chart)
Density:	1.55 kg/l
Water vapor permeability: (EN ISO 7783-2, V2: Medium 0.14≤Sd<1.4m)	V2
Water permeability: (EN 1062-3, W3: Medium, 0.1<Sd≤0.5 kg/m^{2}h$^{0.5}$)	W2
Adhesion: (EN 1542)	0.9 MPa
Thermal conductivity: (EN 1745)	λ=0.7 W/(m K)
Reaction to fire:	Euroclass C
Drying time:	6-8 h

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

Consumption

1.8 kg/m^2/mm.
Recommended application thickness: ~ 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 GRANIT is applied after the primer has dried.

2. Application
Before application, MARMOCRYL GRANIT should be stirred with a low-speed mixer in a slow, circular motion to prevent bubble formation in the mass of the material. The render is applied by hand with a smooth, stainless steel trowel or with a rendering machine.
While still fresh, MARMOCRYL GRANIT is treated (pressed) with a metal trowel.
Working time depends on substrate absorbency and ambient temperature.

Packaging

MARMOCRYL GRANIT is supplied in 25 kg plastic containers.

MARMOCRYL GRANIT

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 MARMOCRYL GRANIT can cause slight differences in color. For a uniform color, it is recommended to use products of the same batch or mix products of different batches. It should also be noted that substrate temperature and humidity may affect the final color.
- Temperature during application should be between +5°C to +35°C.
- While still fresh, MARMOCRYL GRANIT 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 GRANIT 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

11

EN 15824

External render based on organic binder

DoP No.: MARMOCRYL GRANIT/1815-02

Water vapor permeability: V2

Water absorption: W2

Adhesion: 0.9 MPa

Durability: NPD

Thermal conductivity: λ = 0.7 W/(mK)

Reaction to fire: Euroclass C

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

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: 23.12.2022