Technical Datasheet

MARMOCRET-1

One-coat render

Description

MARMOCRET-1 is a pre-mixed, one-coat render (skim coat). It only requires the addition of water. It replaces the two final coats (basic and finishing coat) of common rendering works, applied at a maximum thickness of 3 cm.

- Strong adhesion to the substrate and very good workability.
- It simplifies and accelerates the application.
- Ideal for application with rendering machine.
- Consistent factory-batched quality.
- Excellent vapor permeability.
- Suitable for indoor and outdoor applications.

Certified according to EN 998-1 and classified as OC CS II, W1 mortar type. CE marked.

Fields of application

It is used in rendering works. Suitable for indoor and outdoor use wherever work fast is required.

Technical data

Form:	cementitious powder
Color:	white
Grain size:	up to 1.3 mm
Water demand:	4.75-5.25 l/25 kg bag
Bulk density of dry mortar:	1.50 ± 0.10 kg/l
Bulk density of fresh mortar:	1.65 ± 0.10 kg/l
Compressive strength:	3.00 ± 0.50 N/mm^2
Flexural strength:	1.30 ± 0.20 N/mm^2
Adhesion: (28 days)	0.30 N/mm^2
Capillary water absorption:	≤ 0.4 kg/m^2 min$^{0.5}$
Thermal conductivity coefficient ($\lambda_{10,dry}$):	0.49 W/(m·K) for P=50%
Water-vapor diffusion coefficient (μ):	≤ 12
Pot life:	4 h at +20^{0}C
Maximum layer thickness:	30 mm

Directions for use

1. Substrate preparation
The substrate must stable, clean and free of dust, oil, loose material, etc. and then thoroughly dampened. A bonding spatterdash (rough cast) with MARMOCRET-BOND should be applied on the surface prior to application of MARMOCRET-1. After the bonding spatterdash has dried, MARMOCRET-1 may be applied.

2. Application
MARMOCRET-1 is added to clean water under continuous stirring, until the mortar formed has the required workability. The render is applied by hand, using a float, trowel or rendering machine. The render is then smoothed by hand, using a spongy float, after it has sufficiently set. Working time depends on substrate absorptivity, ambient temperature and workability of the mixture.

Consumption

Approx. 15 kg/m^2/cm of render thickness.

Packaging

MARMOCRET-1 is supplied in 25 kg paper bags.

Shelf life – Storage

12 months from production date if stored in original, unopened packaging, in places protected from moisture and frost.

MARMOCRET-1

Remarks

- Temperature during application should be at least +5°C.
- In hot weather, MARMOCRET-1 should be dampened with water after application to prevent water loss.
- MARMOCRET-1 contains cement that reacts with water, forming alkaline solutions, and thus is classified as irritant.
- Consult the directions for safe use and precautions written on the packaging.

CE

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

09
DoP No.: MARMOCRET-1 WHITE/1234-04

EN 998-1

One coat rendering mortar (OC)

for external use

Reaction to fire: Class A1

Adhesion after weathering cycles: ≥0.3 N/mm²

– FP: B

Water absorption: Wc1

Water permeability after weathering cycles:

≤1 ml/cm² after 48h

Water vapour diffusion coeff.: μ ≤ 12

Thermal conductivity: (λ10,dry) 0.49 W/mK

(tab. mean value; P=50%)

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 Research and Development Department 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: 30.12.2025