

One-layer plaster

Description

MARMOCRET 1 is a pre-mixed, one-layer plaster (skim coat). It only requires the addition of water. It replaces the two final layers (basic and finishing coat) of common plastering works, applied in a maximum thickness of 3 cm.

- It offers high adhesion to the substrate and very good workability.
- It simplifies and accelerates the application.
- It is ideal for application with plastering machine.
- It maintains a standard quality.
- It provides the construction with excellent vapor permeability.
- It is suitable for indoor and outdoor applications.

It is classified as type OC CS II, W1 mortar according to EN 998-1.

Fields of application

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

Technical data

Form:	cementitious powder
Color:	grey, white
Particle size:	up to 1.3 mm
Water demand:	5.70-6.30 l/30 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 (λ _{10,dry}):	≤ 0.47 W/(m·K) for P=50%
Water-vapor diffusion coefficient (μ):	12
Pot life:	4 h at +20°C
Maximum layer thickness:	30 mm

Directions for use

1. Substrate preparation

The substrate should be stable, free of dust, oily or loose materials etc. and should be thoroughly dampened. A bonding spatterdash (rough cast) with MARMOCRET-BOND should be applied on the surface, before the application of MARMOCRET 1. After the bonding spatterdash has dried, MARMOCRET 1 may be applied.

2. Application

MARMOCRET 1 is added into clean water under continuous stirring, until the mortar formed has the required workability. The plaster is applied by hand, using a float, trowel or plastering machine. The plaster 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/m²/cm of plaster thickness.

MARMOCRET 1



Packaging

MARMOCRET 1 is supplied in 30 kg paper bags.

Shelf-life - Storage

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

Remarks

- Temperature during application should be at least +5°C.
- In hot weather, MARMOCRET 1 should be watered after application, to be protected from water loss.
- MARMOCRET 1 contains cement and reacts with water, forming an alkaline solution, so it is classified as irritant.
- Consult the directions for safe use and precautions written on the package.



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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: W1

Water permeability after weathering cycles:

≤1 cm/m²

Water vapor diffusion coeff.: μ 12

Thermal conductivity: (λ_{10,dry}) 0.47 W/mK

Durability (against freeze/thaw): evaluation based on provisions valid in the intended place of use of the mortar

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