

Polymer-modified, cement-based render

Smooth finish • White or colored • Water-repellent

Description

MARMOCRET PLUS Fine is a premixed render (skim coat) with fine-grained aggregate (up to 1.3 mm), enhanced with resins.

MARMOCRET PLUS Fine offers:

- Total water-repellency, according to DIN 18550.
- Excellent vapor permeability (breathability).
- No need for facade painting.
- Stable standardized properties.
- Suitability for indoor and outdoor application.
- Crack prevention unlike ordinary cement lime renders.
- Simplified application on site (needs only water).

Certified according to EN 998-1 and classified as a GP CS II, W2 mortar. CE marked.

Fields of application

MARMOCRET PLUS Fine is used to create a white or colored water-repellent final smooth surface on substrates where high flexibility and adhesion are required. It usually replaces the final render coat (finish or setting coat).

In combination with the fiber-reinforced adhesive ISOMAT AK-THERMO, it is used as part of an external thermal insulation system.

Technical data

Form:	cementitious powder
Particle size:	up to 1.3 mm
Water demand:	5.00-5.50 l/25 kg bag
Bulk density of dry mortar:	1.50 ± 0.10 kg/l
Bulk density of fresh mortar:	1.85 ± 0.10 kg/l

Compressive strength:	3.50 ± 1.00 N/mm ²
Flexural strength:	1.70 ± 0.20 N/mm ²
Adhesion:	0.60 N/mm ²
Capillary water absorption:	≤ 0.2 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):	14
Pot life:	4 h at +20°C

Colors

MARMOCRET PLUS Fine is available in white (N° 100) and shell (N° 207). More colors upon order (minimum quantity 5,400 kg).

Directions for use

1. Substrate preparation

The substrate must be free of dust, grease, loose particles, etc.

If considered necessary, before the application of MARMOCRET PLUS Fine, dampen the substrate well or prime it with PL-PRIMER that will reduce the absorbency of the substrate, ensuring color uniformity all over the surface.

2. Application

MARMOCRET PLUS Fine is added to clean water under continuous stirring, until a mortar of the required workability is formed. The mixer to be used should be clean, to avoid any alteration of the render's color.

MARMOCRET PLUS Fine

The render is applied by hand, using a float, trowel or rendering machine. Then, it is smoothed by hand using a sponge float, after it has sufficiently set. Working time depends on the substrate absorptivity, ambient temperature and workability of the mixture.

Consumption

Approx. 1.4 kg/m²/mm of render thickness.
Recommended thickness: 2-3 mm.

Packaging

MARMOCRET PLUS Fine is supplied in 25 kg paper bags.

Shelf life – Storage

12 months from production date if stored in original, unopened packaging, in frost-free and dry conditions.

Remarks

- Temperature during application should be at least +5°C.
- During hot weather MARMOCRET PLUS Fine should be watered after application, to avoid water loss.
- Due to cement content, MARMOCRET PLUS Fine reacts with water forming alkaline solutions, thus is classified as irritant.
- Please consult the safety instructions precautions written on the packaging before use.



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EN 998-1

**General purpose rendering mortar (GP)
for external use**

DoP No.: MARMOCRET PLUS FINE/1228-02

Reaction to fire: Class A1

Adhesion: 0.6 N/mm² – **FP:** B

Water absorption: W2

Water vapor diffusion coeff.: μ 14

Thermal conductivity: ($\lambda_{10, dry}$) 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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BUILDING CHEMICALS AND MORTARS

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