

MARMOCRET-SP

Restoration render for salt-containing/damp walls

Description

MARMOCRET-SP is a pre-mixed restoration render, particularly resistant to salts and moisture. Due to its composition, it allows the renovation and protection of moisture-attacked and salt-damaged masonries, offering:

- Excellent vapor permeability of the construction.
- Stable standardized properties.
- Suitability for indoor and outdoor applications.
- Simplified and accelerated application.
- Crack prevention unlike ordinary cement-lime renders.
- Simplified application on site (as it only needs water).

It is classified as R CS II, according to EN 998-1.

Fields of application

MARMOCRET-SP is particularly suitable for buildings near the sea or areas exposed to rising damp. Also appropriate for spaces with high humidity, such as bathrooms, basements, etc.

Technical data

Form:	cementitious powder
Color:	white
Grain size:	up to 1.3 mm
Water demand:	7.0-7.5 l/25 kg bag
Bulk density of dry mortar:	1.30 ± 0.10 kg/l
Bulk density of fresh mortar:	1.30 ± 0.10 kg/l
Compressive strength:	3.10 ± 0.50 N/mm ²
Flexural strength:	1.30 ± 0.20 N/mm ²
Adhesive strength (after 28 days):	0.50 N/mm ²
Capillary water absorption:	≤ 1.3 kg/m ²
Water impregnation:	1 mm

Thermal conductivity coefficient ($\lambda_{10, dry}$): ≤ 0.35 W/(m·K)
for P=50%

Water-vapor diffusion coefficient (μ): ≤ 7

Pot life: 4 h at +20°C

Directions for use

1. Substrate preparation

Remove the old render, paint or any waterproofing materials that have been applied on the surface totally or within a distance of at least 80 cm from the area that has been damaged from salts or moisture.

a) Masonry:

Remove old masonry joints to a depth of 2cm and clean the surface mechanically.

b) Concrete:

The surface must be mechanically treated in order to become open-pored.

The surface must be load bearing and free from any substances or loose particles which can minimize the adhesion of MARMOCRET-SP. The mortar MARMOCRET-BOND is used to create the bonding spatterdash, in order to enhance adhesion of MARMOCRET-SP to the surface. AQUAMAT-F is used to create a horizontal barrier against the rising moisture, at the base of walls. Consult the relevant Technical Data Sheet of AQUAMAT-F.

2. Application

MARMOCRET-SP is added into water under continuous stirring, until a mortar of the required workability is formed.

The render is applied by hand, using a float, trowel, or rendering machine to a thickness of at least 1.5 cm. The render is then treated with a wooden float, after it has sufficiently set. The treatment of the render is necessary in order to achieve an open porous surface and ensure optimal vapor diffusion from the surface.

The working time depends on the substrate absorptivity, the ambient temperature and the mortar workability.

MARMOCRET-SP

Consumption

Approx. 10 kg/m²/cm.

Recommended application thickness:

- Minimum 1.5 cm.
- Maximum 3 cm.

Packaging

MARMOCRET-SP 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.

Remarks

- Temperature during application should be at least +5°C.
- It is possible that very damp substrates require extra waiting time before the treatment of MARMOCRET-SP.
- It is recommended that MARMOCRET-SP be covered with very vapor permeable paints.
- In hot weather, MARMOCRET-SP should be watered after application, to be protected from water loss.
- MARMOCRET-SP contains cement that reacts with water forming alkaline solutions, thus is classified as irritant.
- Consult the directions for safe use and precautions written on the package.

System layout

Horizontal barrier against rising moisture	AQUAMAT-F
Bonding spatterdash	MARMOCRET-BOND
Restoration render	MARMOCRET-SP
Paint	Vapor permeable



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10

EN 998-1

**Renovation mortar (R)
for external use**

DoP No.: MARMOCRET-SP/1226-02

Reaction to fire: Class A1

Adhesion: 0.5 N/mm² – **FP:** A

Water absorption: ≥ 0.3 kg/m² after 24h

Water vapour diffusion coeff.: ≤ μ 7

Thermal conductivity: (λ_{10,dry}) 0.35 W/mK

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

Dangerous substances comply with 5.3.4

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