

## Restoration plaster for salt containing and wet walls

### Description

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

- Excellent vapor permeability of the construction.
- Stable standardized properties.
- Suitable for indoor and outdoor applications.
- Simplification and acceleration of application.
- Cracking prevention unlike ordinary cement-lime plasters.
- Simplified application on site (needs only water).

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

### Fields of application

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

### Technical data

Form:	cementitious powder
Color:	white
Particle 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<sup>2</sup>

Flexural strength: 1,30 ± 0,20 N/mm<sup>2</sup>

Adhesive strength (after 28days): 0,50 N/mm<sup>2</sup>

Capillary water absorption: ≤ 1,3 kg/m<sup>2</sup>

Water impregnation: 1 mm

Thermal conductivity coefficient ( $\lambda_{10, dry}$ ): ≤ 0,35 W/(m·K) for P=50%

Water-vapor diffusion coefficient ( $\mu$ ): 7

Pot life: 4 h at +20°C

### Directions for use

#### 1. Substrate

Total removal of the old plaster, paint or any waterproofing materials that have been applied to the surface or at 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 cleaned mechanically and be 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 on the surface for adhesion enhancement of the MARMOCRET-SP.

# MARMOCRET-SP



AQUAMAT-F is used to create a horizontal barrier against the rising moisture, at the base of walls. Consult the respective Technical Leaflet of AQUAMAT-F.

## 2. Application

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

The plaster is applied by hand, using a float or a trowel, or with a plastering machine to a thickness of at least 1.5cm. The plaster is then treated by wooden float after sufficient setting has occurred. The treatment of the plaster is necessary in order to achieve an open porous surface and to ensure optimized vapour diffusion from the surface.

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

### Consumption

Approx. 10-11 kg/m<sup>2</sup>/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.
- Very damp substrates is possible to lead to longer waiting time before the treatment of the MARMOCRET-SP.
- MARMOCRET-SP is recommended to be covered with very vaporpermeable paints.
- In hot weather MARMOCRET-SP should be watered after application, to be protected from water loss.
- MARMOCRET-SP contains cement and reacts as alkaline with water, so it is classified as irritant.
- Consult the usage risks and safety advice written on.

### System layout

Horizontal barrier against the rising moisture	AQUAMAT-F
Bonding spatterdash	MARMOCRET-BOND
Restoration plaster	MARMOCRET-SP
Paint	Vapourpermeable



**ISOMAT S.A.**

17<sup>th</sup> km Thessaloniki – Ag. Athanasios  
P.O. BOX 1043, 570 03 Ag Athanasios, Greece

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**EN 998-1**

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

**Reaction to fire:** Class A1

**Adhesion:** 0,5 N/mm<sup>2</sup> – **FP:** A

**Water absorption:** 1,3 kg/m<sup>2</sup>

**Water vapour diffusion coeff.:**  $\mu$  7

**Thermal conductivity:** ( $\lambda_{10, dry}$ ) 0,35 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

**MAIN OFFICES - FACTORY:**

17th km Thessaloniki - Ag. Athanasios Road,  
P.O. BOX 1043, 570 03 Ag. Athanasios, Greece,  
Tel.: +30 2310 576 000, Fax: +30 2310 722 475

**www.isomat.net e-mail: info@isomat.net**

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