

# AQUAMAT-F

## Damp-proof course

### Description

AQUAMAT-F is a ready-to-use, water-based, siliceous solution with hydrophobic siliceous compounds. When injected into walls, the compounds it contains react with the existing lime and form non-soluble compounds (hydrous silicic monocalcium) that block the capillary absorption of water and cause hydrophobicity. AQUAMAT-F has no corrosive effects on the steel in reinforced concrete.

AQUAMAT-F is not suitable for application on surfaces of exposed concrete, brick walls or plaster that are not going to be coated or painted.

### Fields of application

AQUAMAT-F is mainly used against rising moisture. AQUAMAT-F creates a horizontal barrier against rising moisture, at the base of walls.

In case there is hydrostatic pressure, the use of AQUAMAT is required.

### Technical data

Color:	transparent
pH:	12.7
Density:	1.36 kg/l

### Directions for use

#### 1. Without pressure

AQUAMAT-F is applied with a wall perforation process. 30 mm diameter holes are drilled lengthwise at the base of the wall, with a distance of 15-20 cm between them at an angle of 30°-45° to the ground. Drilling should reach a depth of up to 5 cm less than the wall thickness. The holes are usually opened from the outside. They may also be opened in two levels (one higher - one lower).

In this case, the distance from hole to hole depends on the absorbency of the wall, but 15-20 cm is generally recommended.

Sealing both sides of the wall with AQUAMAT sealing slurry in the area of the boreholes prevents AQUAMAT-F from leaking out of the wall.

After drilling and cleaning the holes, AQUAMAT-F (not diluted) is poured into the wall through them using a funnel, repeating the process up to the point of saturation.

The holes are filled and sealed with a cement mortar enhanced with ADIPLAST, at least 24 hours after the application.

#### 2. With pressure

This method is suitable for walls greatly or totally soaked with water. The holes should have a diameter of 12-18 mm and should be opened horizontally or at an angle of 30° to the ground, with a distance of 10-20 cm between them. In case of walls with low absorbency, the holes should be drilled in two levels. In case of stone walls with very low absorbency, the holes should be opened in the joints, but if the stones are absorptive, the holes should be opened inside them.

AQUAMAT-F is injected under pressure, using the appropriate equipment. The application is considered complete when AQUAMAT-F starts to leak from the wall surface, ensuring that the area around the holes has been saturated with the material. 24 hours after the application of AQUAMAT-F, holes are filled and sealed with cement mortar, enhanced with ADIPLAST.

### Consumption

Depends on the absorbency of the wall.  
Indicative consumption: approximately 18 kg per m<sup>2</sup> of the cross-sectional area of masonry, for walls of medium absorbency.

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## Packaging

- 6 kg and 25 kg plastic containers.
- 170 kg drums.

## Shelf life – Storage

12 months from production date if stored in original, unopened packaging at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.

## Remarks

- Due to siliceous content, AQUAMAT-F is classified as corrosive.
- Please consult the safety instructions written on the packaging before use.

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