

# HYDROSTOP WALL



Hydrophobic silicate solution



## PROPERTIES

Highly penetrating and hydrophobic silicate solution. Protects against rising damp by injecting the product into walls.

During the application, the reaction between the silicate solution and the hydroxide contained in the building elements, results in the formation of insoluble compounds and the formation of hydrophobicity in the treated elements. In this way, the capillary pores of the building structure are sealed, preventing the damp to affect the masonry.

## ADVANTAGES

- Does not corrode concrete rebars
- Yields high hydrophobicity of the building elements
- Does not block the breathability of the masonry (after the application)

## APPLICATIONS

HYDROSTOP WALL creates a hydrophobic horizontal barrier against rising damp in masonry or concrete structures, by drilling into the application element.

It is also applied in cases of existing damp, by impregnating the surface.

## USE

Surface preparation

The product is applied by drilling and injecting it, with or without any pressure applied.

The drilling points and the distance between them are determined by the composition and absorbency of the wall.

1. Pressure-free application: Begin by drilling holes into the masonry wall. The required hole size is 16mm in diameter, 15-20cm apart and at an angle of 30°-45°. Drill holes at two levels (one set of holes to be drilled up and one down). The depth of the holes is calculated to be less than 5cm from the overall wall thickness. Coat both sides of the masonry wall with the waterproofing mortar D-1 to prevent HYDROSTOP WALL from leaking through.

Thoroughly clean the holes with compressed air. Use the practical packing with the built-in spout to pour the product easily. Pour the product into

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the holes until the masonry is saturated without forcing it, just by using its natural flow.

2. Pressurized application: This method is suitable for walls that are greatly or even completely impregnated with water. Drill holes into the masonry wall. The required hole size is 12-18mm, 10 to 18cm apart and at an angle of 30°. When working with low-absorbency walls, it is necessary to drill holes at two levels. Apply the product by using an epoxy injection machine until the product leaks from the surface of the wall.

In both cases (after the completion of the HYDROSTOP WALL application), allow for the treated surface to rest for at least 24 hours and then seal the holes with D-11 SUPER FAST or DS-247, both from DUROSTICK.

3. Impregnation: The wall surface must be free of loose sections and dust. Apply at least three successive coats, without any dilution, until saturation. Each coat follows, as long as the previous one is still wet (wet on wet).

In cases where hydrostatic pressure exists, HYDROSTOP WALL acts as a primer (double coat), to follow the application of the waterproofing mortar D-1 of DUROSTICK.

### USEFUL TIPS - NOTES

- The hole drilling method is applied to masonry with static adequacy.
- In low-absorbency stone masonry walls, drill the holes in the grout joints, while in high-absorbency stone walls, drill the holes in the stones.
- For easy apply choose the packaging with the nozzle (1kg)
- Stir or shake well before use

### CONSUMPTION

**As impregnating solution:** 250-350gr/m<sup>2</sup> per coat

**As injection solution:** 18-20kg/m<sup>2</sup> of transverse masonry section. Depending on the absorbency of the wall.

### STORAGE

Store in factory sealed packages, in dry and shaded places, for at least 12 months from production date.

### SAFETY DIRECTIONS

The product is corrosive and should be kept away from the reach of children. Prior to use, consult the precautionary instructions on the product packaging or on the safety data sheet.

### LIMITATION OF USE

The application of the product on exposed concrete and masonry wall is not recommended unless those surfaces are to be coated or painted.

### PACKAGING

- 1kg Bottle with nozzle
- 5kg, 25kg Containers

### TECHNICAL SPECIFICATIONS

**Form - Color** Silicate solution - Clear

**Density** 1.35±0.05kg/lit

**pH** 12±0.5

**Application temperature** From +5°C to +35°C

**Dilution** The product is ready for use. Do not dilute.

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