

HYDROSTOP WALL



Hydrophobic silicate solution



■ PROPERTIES

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

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 wall/masonry.

■ ADVANTAGES

- Easy application to any building elements.
- High hydrophobicity and unblocked breathability (after application).
- Does not corrode concrete rebars.

■ APPLICATIONS

HYDROSTOP WALL creates a hydrophobic horizontal barrier against rising damp in wall/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 the wall/masonry and injecting it, with or without any pressure applied. The drill 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 wall/masonry. 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 wall/masonry 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 the holes

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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. Open holes into the masonry wall. The required hole size is 12-18mm, 10 to 18cm apart and at an angle of 30°. The necessity of a second or third level of holes depends on the composition of the wall/masonry and the extend of the problem. 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 dry 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.

■ CONSUMPTION

As impregnating solution: 250-350gr/m² per coat
As injection solution: 18-20kg/m² of transverse masonry section. Depending on the absorbency of the wall.

■ STORAGE

Store in places protected from sunlight and frost, for 12 months from production date.

■ SAFETY DIRECTIONS

The product is corrosive and should be kept away from the reach of children. Before use, refer to the cautions on the product's package or the Safety Data Sheet.

■ USEFUL TIPS - NOTES

- The hole drilling method is applied to wall/masonry with static adequacy.
- In stone walls, drill the holes in the grout joints.
- The practical packaging with the built-in nozzle (1kg) provides ease of application.
- Mix or shake well before use.

■ LIMITATION OF USE

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

■ PACKAGING

1kg bottle with built-in nozzle
5kg, 25kg containers (special order)

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	A ready for use product
■ Do not dilute.	

WHAT IS rising damp?

Rising damp is one of the biggest challenges in existing construction. It needs special treatment, as it starts from the ground and extends to the wall/masonry (it impregnates the structure element). Its appearance in habitable areas creates damage and problems, both in the interior and the exterior alike.

Internally: creating an unsightly image (traces of salts, bubbling paints and even disintegration of coatings), but also mold growth and unpleasant odors.

Externally: adversely affected materials, and in particular disintegration of the coatings, carbonization of concrete and possible oxidation of its reinforcement.

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