

# HYDROSTOP WALL PRO



## Barrier against Rising Damp



### ■ PROPERTIES

Highly penetrating and hydrophobic polymer solution.

Protects against rising damp by injecting the product into walls. It even penetrates into the capillary pores of the structure element and, through the saturation of its absorbency, prevents moisture penetration.

### ■ ADVANTAGES

- Easy application in all structure elements.
- Yields high hydrophobicity and unblocked breathability (after the application).
- Does not corrode concrete rebars.
- Depending on the project, there is the possibility of application even without removing the wall coatings.

### ■ APPLICATIONS

HYDROSTOP WALL PRO is applied to create a hydrophobic horizontal barrier against rising damp in walls made of concrete, bricks, stones or cement

blocks by drilling into the application element. It is also applied in case of removing the existing wall coatings.

### ■ USE

#### Surface preparation

The product is applied by drilling and injecting it, with natural flow or with applied pressure. The drilling points and the distance between them are determined by the composition and absorbency of the wall.

#### 1. Natural flow

Begin at the base of the wall by drilling hole with a diameter of 16mm, no more than 25cm 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 holes of the second level are made at a height difference of 20-25cm from the first, exactly at the intermediate points, forming a w pattern. The product is injected

The technical specifications and directions of use contained in this technical brochure are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.

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with the special application bottle until the wall is saturated.

### 2. Pressurized application

This method is recommended for walls where moisture levels are high and structural elements that exhibit high mechanical strength. Drill holes with a diameter of 16-18mm, at a distance of 10-18cm from each other, at an angle of about 30°. The necessity for a second or even a third level of holes depends on the composition of the wall and the scale of the problem. With the use of special nozzles, as well as a suitable injection machine, the product must be applied until saturation.

After 24-48 hours, and after checking the moisture levels of the treated element with a suitable moisture detector, the process may need to be repeated.

#### In both cases as described above:

- The depth of the holes is defined as up to 5cm less than the total thickness of the treated wall.
- Remove the dust from the holes with compressed air or with a commercial vacuum cleaner.
- Do not seal the holes for a minimum of 48 hours. Seal them with either the fast-setting cementitious repair mortar D-11 SUPER FAST or DS-247 of DUROSTICK.

### Application of HYDROSTOP WALL PRO after the removal of wall coatings

Depending on the scale of the problem and the condition of the coatings, just drilling holes on the wall may not be sufficient and it may be necessary to remove the coatings, until reaching the structural element and to a height, as defined by the problem. In cases of particularly absorbent surfaces, the application of the one-component, flexible and fiber-reinforced brushable waterproofing mortar D-1 FLEX is recommended for optimal performance of the repair. Following, the drill points are selected and HYDROSTOP WALL PRO is applied, using one of the above methods.

For the restoration of the wall, it is recommended to apply the fiber-reinforced scratch/base coat plaster D-40. Use it also as a scratch coat for maximum grip with the substrate. For application thicknesses of

more than 2cm, it is recommended to encase the alkali-resistant fiberglass mesh DS-1090. Its use will also create a crack-resistant reinforcement of the surface. The finished plaster on the surface should have strong adhesion, zero shrinkage, and high water vapor permeability from the mass and function perfectly as a repair product. Depending on the requirements of the project, select either HYDROSTOP ANTIQUE, MEGAFIX or D-41 of DUROSTICK.

### ■ USEFUL TIPS - NOTES

- The method of drilling holes is only applied to walls with static efficiency.
- In walls lined with stone, the holes are drilled at the joints.
- The special 750ml bottle features an integrated nozzle for easy application.
- Mix or shake the container well before use.

### ■ CONSUMPTION

18-20lt/m<sup>2</sup> of cross-section of wall surface. Depending on the absorbency of the wall.

### ■ STORAGE

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

### ■ PACKAGING

750ml bottle with integrated nozzle  
5lt, 20lt containers

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TECHNICAL SPECIFICATIONS	
■ <b>Form - Color</b>	Silanes and modified polysiloxanes based emulsion - White
■ <b>Density</b>	1.00±0.05kg/lit
■ <b>pH</b>	7±0.5
■ <b>Application temperature</b>	From +5°C to +35°C
■ <b>Dilution</b>	The product is ready for use. Do not dilute.

### V.O.C. (Volatile Organic Compounds):

Limit value of maximum content of V.O.C. per EU (Directive 2004/42/EC) for this product (category A/c: 'Coatings for exterior walls of mineral substrate, type WB): 40gr/lit (2010). The ready to use product contains maximum 20gr/lit V.O.C

### DUROSTICK A.B.E.E.

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