

Barrier against rising damp



- Quick and easy application
- Solvent free

Field of use

Silitop Water Stop is a water-repellent cream specially developed to be injected into almost any type of wall (single or double).

This product reacts with the joint mortar and with the minerals in the substrate, developing a real barrier against rising damp, which makes it possible to obtain damp-free walls.

It can be applied to any type of building material (e.g. brickwork, solid bricks, stone and cement-based materials, etc.).

Silitop Water Stop penetrates into substrates, even those with high humidity levels (up to 95%). The water repellent enters the finest capillaries, penetrating regardless of the thickness of the wall.

The chemical barrier formed by Silitop Water Stop will prevent efflorescence/hygroscopic salts from appearing on the wall surface and prevent damage to the wall.

This treatment will help to reduce energy consumption and maintenance costs, increase the indoor air quality/comfort of buildings and increase the value of the property.

Recommendations

- The chemical barrier must always be installed in masonry outside the ground.
- In partially buried masonry, the drainage work must always be carried out above ground level, by about 15 cm.
- The drainage work can be carried out on both the interior and exterior sides. For thick walls (>50 cm) with high humidity levels, it is advisable to use Silitop Barrier.
- Drilling should be done at the joints, as the dispersion of Silitop Water Stop is more effective in materials with high capillary activity.
- Before drilling, make sure there are no pipes in the substrate.

Limits of use

- Do not apply the product on days with temperatures below 0 °C, for at least 48 hours after application, to avoid any inefficiency in the spread of the product.

Supports



Cimentitious mortar
Plaster
Concrete
Natural stone
Brick (solid or hollow)

Consumption

See Table 1.

Consumption depends on the thickness of the wall and the type of material it is made of.

Presentation

Color: White

Packaging: 600 mL cartridges

Box: 12 cartridges

Storage

12 months in sealed packaging and protected from damp and sunlight.

Table 1

Wall thickness (cm)	Hole depth (cm)	Spacing between holes (cm)	Hole volume (cm ³)	N° holes/ m linear	Consumption (g/hole)	Consumption (m linear / wall length)							
						10 m	N° Cart.	20 m	N° Cart.	30 m	N° Cart.	40 m	N° Cart.
11	10	10-12	15,39	10	13,85	1505	3	3010	5	4515	8	6021	10
22	19		29,23		26,31	2860	5	5720	10	8579	14	11439	19
33	31		47,70		42,93	4666	8	9332	16	13998	23	18664	31
44	42		64,62		58,16	6322	11	12643	21	18965	32	25287	42

Support preparation

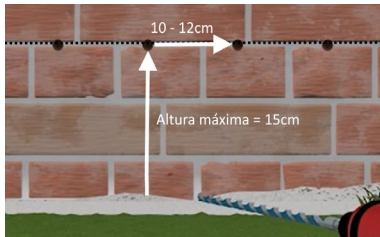


Degraded, loose plaster with a high salt load should be removed by chipping up to 50 cm above the visible damp part.

In intact, solid walls, it's not necessary to remove the mortar. Under standard conditions, the capillary barrier against rising damp is placed 10-15 cm above ground level, both inside and outside. For the treatment to be effective, the right amount of Silitop Water Stop must be used.

Table 1 shows the number of holes and the distance between them.

Application



1. Marking:

Using a level and a ruler, mark a continuous line 15 cm above the ground. On this line you will indicate the drilling points, spaced apart, according to the distances shown in the support preparation table (Table 1).

2. Drilling:

2.1. With a drill and 12 mm diameter bit, drill horizontally directly into the mortar of the brick joints.

2.2. Clean the holes, blowing out any dust.

2.3. The depth of the hole depends on the thickness (Table 1). For walls with thicknesses other than those shown in Table 1, the hole should end 4-5 cm from the surface opposite the wall.

Type of walls:

- For **single walls**, the treatment should only be carried out on one side of the wall.
- For **double walls**, treatment can be carried out on one or both sides of the wall. If you choose to treat both sides, treat each wall as if it were a single wall.
- In the case of **porous stone walls**, the holes should be drilled directly into the stone.

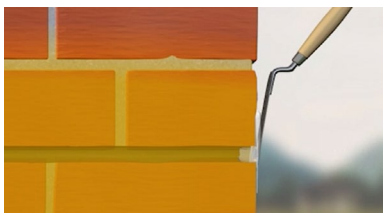
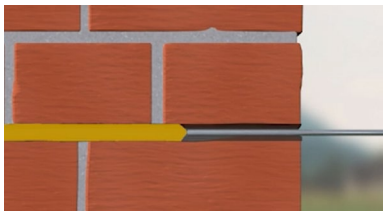
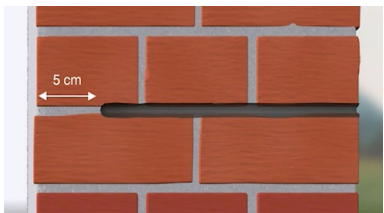
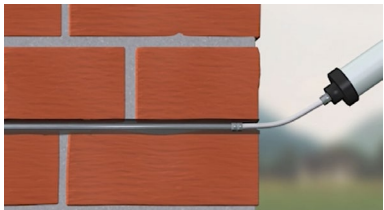
3. Apply Silitop Water Stop:

3.1. Release the gun to the correct opening position. Remove the cap.

3.2. Place the cartridge in the gun and cut off the Silitop Water Stop nozzle. Place the tip on the gun.

3.3. Insert the Silitop Water Stop tube to the full depth of the hole. The injection tube should be withdrawn slowly by injecting Silitop Water Stop into the hole. If there are deposits of cream due to possible overdose or accumulation around the hole, you can remove it using an absorbent cloth.

3.4. Seal the holes with mortar from the Topeca range, directly over the hole. If it is necessary to regulate the treated wall, use a suitable coating.



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Composition

Silane/siloxane emulsion.

Application characteristics

Application temperature: 5-25 °C

Bulk density: 920 kg/m³

Suitable coatings

Topeca Sane