



BARRIER GEL

**Concentrated water-repellent gel for making
a barrier against rising capillary humidity**



PROPERTIES ➔ **BARRIER GEL** is a concentrated cream based on silanes formulated for the creation of chemical barriers by injection into walls against the capillary rise of humidity in natural stone masonry, brick, mixed stone and concrete.

The concentrated gel has excellent diffusion characteristics and forms a chemical barrier preventing rising humidity from passing through the porosity of the materials that make up the wall. After catalysing the resin, the support becomes highly water-repellent, resulting in the interruption of the capillary rise of water molecules.

BARRIER GEL also counter the formation of salt efflorescences on the masonry and does not alter the breathability of the support in the slightest.

BARRIER GEL is sold in pre-dosed cartridges ready for use by injection with the supplied injection pistol. It's not recommended for application on walls thicker than 40 cm.

USE ➔ Completely remove the deteriorated plaster by scraping the masonry up to 50-80 cm above the visible level of rising humidity, and in any case at least 40 cm near the area where the injection holes will be made. Make injection holes on a horizontal line starting from a height of approximately 10/15 cm from the walking surface, making holes slightly inclined downwards by 5°/6° and 15 cm apart from each other, with a drilling depth that varies based on the thickness of the masonry (see table on the following page). Then inject the product into the holes using the supplied special pistol. Finally, fill the holes.

Establish the effectiveness of the product through preliminary testing as well as its correct application methodology, in order to avoid possible unwanted effects.

YIELD ➔ As an indication, about **15/70 ml per hole, depending on the wall thickness** (see table on the following page).

PACKAGING

1CR424L06 ➔ 10 x 600 ml **CARTRIDGES**

SPECIFICATIONS ➔ Concentrated gel preparation of silane derivatives, to be injected onto damp walls by making injection holes on a horizontal line 15 cm apart from each other, specifically designed for deep and water-repellent impregnation against rising capillary humidity in high-density building materials, high and medium porosity (like **BARRIER GEL** BY CIR). It must present a reduction in water absorption of no less than 92%. It must be accompanied by a 16-section safety data sheet as required by current legislation.

WARNINGS

- ➔ Product intended for professional use.
- ➔ Operating temperatures: +5°C/+35°C.
- ➔ Carefully protect surfaces for which the product is not intended.
- ➔ Do not apply in conditions of imminent rain or full sun.
- ➔ Do not smoke or use open flames during application.
- ➔ Equip operators as required by current safety regulations.
- ➔ Adequately ventilate closed rooms when using the product.

All information contained in our records correspond to our best knowledge of current techniques and cannot be considered binding or challenging as the real application conditions, verifiable case, may also result in major changes of both practices described above and the results obtained. Perform preliminary tests to determine if the product is suitable for the intended or not. We decline any liability for any damage resulting from improper use or misuse of the product. Do not litter in the environment. This data sheet replaces all previous versions.



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RECOMMENDED DOSAGES

In any case, it is advisable to determine the exact quantity to use through preliminary tests

Depth and distance of holes				
Wall thickness:	100 mm	200 mm	300 mm	400 mm
Depth of holes	90 mm	180 mm	280 mm	drill 190 mm on both sides in a staggered manner, or drill 380 mm holes on one side only
Distance between holes	120 mm	120 mm	120 mm	120 mm
Number of BARRIER GEL cartridges				
Wall thickness:	100 mm	200 mm	300 mm	400 mm
Wall length: 10 m	1,5	3	5,1	7
Wall length: 20 m	3	6	10,2	13
Wall length: 30 m	4,6	9	15,3	21
Wall length: 40 m	6,1	12	20,4	28

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