



# BARRIER ACQUA PLUS

Nanotechnological water repellent in aqueous solution  
for the realization of barriers against capillary rising damp



**PROPERTIES** ➔ Aqueous solution in nanotechnologies of particular siloxane derivatives specific for deep and water repellent impregnation against capillary rising damp in neutral alkaline high and medium porosity building materials. The nanometer diameter of its particles allows the product to penetrate inside the support with a depth so far impossible to reach with common traditional system.

The particular low viscosity formulation guarantees an optimal penetration of the resin inside the wall fabric up to the smallest pores. The support, after catalyzing the resin, assumes a high water repellency such as to determine the interruption of the capillary rise of the water molecules.

**USE** ➔ Completely remove the damaged plaster by scraping the masonry up to 50-80 cm above the visible level of rising damp, and in case at least 40 cm near the area where the injection holes will be made. Make injection holes on a horizontal line, slightly inclined downwards of 5° / 6° and 15 cm apart with a drilling depth of approximately 3/4 of the wall thickness starting from a height of 10 cm from the walking surface. For walls with high thicknesses make holes on both sides. Then inject the product by falling or under pressure. Establish the efficacy of the product as well as its correct application method by means of a preliminary test, in order to avoid possible undesirable effects.

**YIELD** ➔ As an indication only, about 150 - 200 ml of product per cm of thickness on a linear meter of masonry.

**STORAGE** ➔ The product must be stored **in its original, well-sealed containers**, protected from light, in cool environments away from heat sources at temperatures between + 5 ° C and + 35 ° C. Under these conditions, the product is **stable for 12 months**.

## PACKAGING

- 1CR056L050 ➔ 16 x **500 ml** plastic **BOTTLE**
- 1CR056L075 ➔ 12 x **750 ml** plastic **BOTTLE**
- 1CR056L100 ➔ 12 x **1 lt** plastic **BOTTLE**
- 1CR056L10 ➔ **10 liters** plastic **TANK**

**SPECIFICATION** ➔ Aqueous solution in nanotechnology of particular siloxane derivatives to be used both in pressure and with pre-dosed systems, making injection holes on a horizontal line 15 cm apart from each other, specifically designed for deep and water repellent impregnation against capillary rising damp in neutral or moderately alkaline high and medium porosity building materials (such as **BARRIER ACQUA PLUS** by CIR). It must have a water absorption reduction not less than 92%. It must be equipped with 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 the surfaces to which the product is not intended.
- ➔ Do not apply in conditions of impending rain or full sun.
- ➔ Do not smoke or use naked flames during the application.
- ➔ Equip operators as required by current regulations.
- ➔ Properly ventilate enclosed spaces during use of 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.