

SIRIOBARRIERA W

Water-repellent impregnating agent, dilutable in water, for the waterproofing and hydrophobic treatment of masonry against rising damp



[info. PRECAUTIONS]

SIRIOBARRIERA W concentrate is flammable: therefore, take all necessary precautions for flammable products. Do not smoke, do not expose the product to heat sources, do not ingest, avoid contact with skin and eyes, use protective masks and gloves. Once mixed with water, SIRIOBARRIERA W must be used within 8-10 hours and must be stored away from frost. Consult the toxicological data sheet.

[info. CONSUMPTION]

Approximately 1.5 litres of product per linear metre of barrier in the presence of mixed masonry with a thickness of 50 cm, equal to a quantity of aqueous solution to be injected of 10 litres (1.5 litres of product + 8.5 litres of water).

[info. PACKAGING]

- 210 L drum
- 25 L tank
- 5 L tank

[info. STORAGE]

Store the product in closed packaging, in dry rooms and away from heat sources. Avoid freezing.

[info. TECHNICAL SERVICE]

Detailed technical instructions on the use of the products can be requested from your local representative or directly from PROIND srl.

SIRIOBARRIERA W belongs to a new generation of catalysed monomer silanes, specially formulated for the **treatment of absorbent building materials, in whose capillaries it develops a barrier that is insoluble to water but permeable to water vapour, preventing the capillary rise of water in masonry.**

Fields of application

Due to its high degree of penetration and protection, SIRIOBARRIERA W is particularly suitable for treating capillary rising damp using a chemical barrier with low-pressure injection (with MABI injectors).

SIRIOBARRIERA W can be used for the non-film-forming water-repellent treatment of absorbent building materials.

Instructions for use and consumption

1. **Preparation of walls:** remove the external wall coverings in the area to be treated. If possible, remove the paint or wallpaper on the inside to facilitate the evaporation of moisture contained in the masonry.
2. **Hole size:** the holes must be made as close as possible to the ground, never exceeding 20 cm in height from the internal floor level, and must have a diameter of 12 or 18 mm depending on the material used for the injection and a depth of 5-10 cm from the opposite side of the masonry. The distance between the holes must be between 10 and 20 cm. In the case of masonry thicker than 50 cm, or mixed or stone walls, two sets of holes are required: one on the inside and one on the outside of the masonry.
3. **Injection:**
 - Equipment: MABI injectors, powered by a pump capable of delivering a maximum pressure of 5 bar.
 - Procedure: inject SIRIOBARRIERA W for approximately 5 minutes at a pressure between 0.5 and 3 bar. The intensity and duration of injection must take into account the masonry (porosity and diameter of the capillaries). As a rule, it is preferable to use low pressure and long injection times in order to promote the distribution of the product in the masonry.
4. **Concentration of the solution:** 5 to 15% of SIRIOBARRIERA W in water depending on the structure of the wall. The choice of concentration must take into account the porosity and diameter of the capillaries. The lower the porosity and the smaller the capillaries, the lower the concentration should be (minimum 5%). SIRIOBARRIERA W must be diluted using drinking water, taking care to mix the two components thoroughly until the solution is completely transparent. Ready-to-use solutions must be used within 8-10 hours of preparation.
5. **Plastering:** in order to apply the coating plaster, immediately after dehumidification, we recommend using a highly breathable plaster such as our SIRIOBETON IDR.

Equipment

We have special injectors and pneumatic pumps for injecting the product. Our Technical Department is at your disposal to identify the solution that best suits your needs.