Consilex Inject Mauer

Microemulsion for slow diffusion anti-rising damp chemical barriers

One-component silane-based system modified for the preparation, with the sole addition of water, of water repellent microemulsions for slowly spreading masonry injections against capillary rising damp or using a pump with low operating pressure (0.5 to 1.5 bar), specific for the construction of chemical barriers in masonry, brick, tufa, stone and mixed, of varied thicknesses.

CUSTOMS CODE: 3824 9970
COMPONENTS: Single-component
APPEARANCE: Liquid
AVAILABLE COLORS: Transparent
PACKAGING AND DIMENSIONS: Plastic can 10 l - Plastic can 5 l - Plastic can 25 l

FEATURES AND BENEFITS

The injection of Consilex Inject Mauer can be made using a pump with low operating pressure (0.5 to 1.5 bar) or else via drop-down and slow diffusion using special graduated bags (Barrier Bag) and injection tubes (Barrier Tube D26). The slow diffusion, carried out with the accessories mentioned above is specifically designed to facilitate the deep and complete interpenetration of the formulation into the porosity of the material, even without mechanised pumping systems being set up. Being deprived of its source of damp, the masonry above the operation will gradually and slowly yield its residual moisture content by evaporation. Since this process can crystallise the salts contained in the masonry, bleaching and saline efflorescence effects may occur on the surface of the exposed masonry or plaster with accentuated phenomena of superficial degradation. Thus, for plastered masonry that has become compromised, completing a cycle of dehumidifying plastering is recommended, using Untersana, Sanatigh or Sanastof for example. For exposed masonry, it is recommended to allow the salts to vent throughout the summer period and then, if necessary, complete the operation with a water-based surface water repellent treatment such as Consilex Altrain WV.

FIELDS OF APPLICATION

Construction of slow diffusion chemical barriers or using a pump with low operating pressure (0.5 to 1.5 bar) against capillary rising damp in brickwork, tufa, stone and mixed, of varying thickness.

PREPARATION OF SUPPORTS

In the event that injection is performed with pumping systems, the hole usually has a diameter of 12 mm, being able to accommodate the rubber and steel injector. If the injection is carried out by slow diffusion, the drill bit must be 30 mm to permit the insertion and housing of the Barrier Tube D26 cardboard tubes, connected externally via the specific polyethylene Barrier BagS and their tubes, as better described in the product data sheets.

MODE OF USE

Pour the prepared mixture into the mechanised pumping system or fill the previously-prepared containment Barrier BagS until the quantity of the necessary mixture has been completely absorbed. In normal absorption conditions, masonry with a thickness of about 40 centimetres will soak up about 16 litres of the 1:10 solution for each metre in length. Once fully absorbed: - if using pumping systems, remove the injectors and putty the holes; - if using the drop-down system, remove the bags and tubes installed, leaving the cartridges “to be lost” in the holes, which will then need to be properly filled completely and puttied on the surface with cement- and/or lime-based mortar.

KEY FEATURES

- Density: 1.02 kg/dm³
- Shelf-life: 6 months
- Mix with water: 1:10 _
- Solvent-free

TECHNICAL SPECIFICATIONS

Trattato
Breathability **< 15 %**

Boiling point/range **>100 °C**

UNI 8701-3 a 25 °C
Viscosity **15 cSt**

> 92 %

ISO 16006
Determination of volatile matter (VOC) **< 250 µg/m³**

Diluizione 1:10
Active substance **6 %**

CONSUMPTION

From 3.5 to 4 litres of Consilex Inject Mauer in solution 1:10 per linear metre of 10 cm thick masonry. Calculate the consumption in proportion to the thickness of the masonry to be restored.

STORAGE AND CONSERVATION

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance.

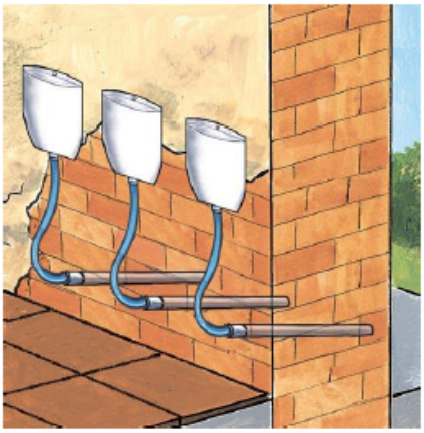
PHOTO GALLERY

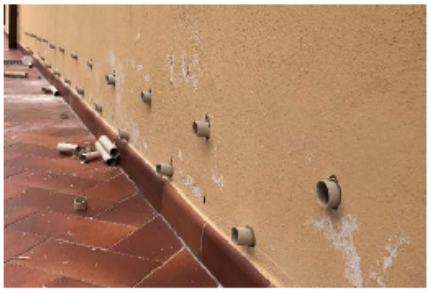


SPECIFICATION ITEM

The masonry injections for the construction of chemical barriers against capillary rising damp must be performed with the slow diffusion method and with the help of the specific system Consilex Inject Mauer, by Azichem Srl, of silane-based modified monomers, assisted by the tube in absorbent paper BARRIER TUBE D-26 by Azichem srl and CONTAINMENT BAG WITH TUBE by Azichem srl.

ADDITIONAL CONTENT





WARNINGS AND PRECAUTIONS

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.
Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.
Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: www.azichem.com. The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: www.azichem.com.
It is forbidden to dispose of the product and/or packaging in the environment.