



CSX.0023

CONSILEX INJECT MAUER

Microemulsion for slow diffusion
anti-rising damp chemical
barriers

Dosage

1.75 - 2 l/m/m
(Recommended: 1.88 l/m/m)

Packaging

- Plastic can 10 l
- Plastic can 5 l
- Plastic can 25 l

Family

Consilex

Product Lines

- Building
- Opus

Components

Single-component

Type

Water-based siloxane solutions

Functional Categories

- Sanification of masonry by stopping the rising damp

Appearance

Liquid

General description

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, specific for the construction of chemical barriers in masonry, brick, tufa, stone and mixed, of varied thicknesses.

General features

CONSILEX INJECT MAUER creates a slow diffusion and radial propagation chemical barrier at the base of the walls. The slow diffusion is specifically designed to cover the whole capillary volume and to allow for deep penetration in the porosity of the porous material without altering the permeability to water vapour: the media treated maintain the original breathability.

The system based on CONSILEX INJECT MAUER interrupts the capillary rising damp in the range where the diffusers are inserted, for an average height of cm 30. The masonry above the intervention, free from sources of damp, will progressively and slowly release the residual moisture in the environment at the time of the intervention. Since this evaporation process can bring out the salts contained in the masonry, whitening chromatic effects of surfaces and saline efflorescence may occur. For these reasons you should complete the intervention with applying an anti-saline treatment (like FEST SALZ or SANAREG) combined with the construction of a dehumidifying plaster (type SANATIGH) on the basis of the instructions on the technical data sheets for each product.

Fields of application

Construction of slow diffusion chemical barriers against capillary rising damp in brickwork, tufa, stone and mixed, of varying thickness.

Available colours

- Transparent

Basic features



Density:
1.02 kg/dm³



Flammable material



Mix with water:
1:10 _



Shelf-life:
6 months



Solvent-based product

Technical specifications

Boiling point/range: >100 °C

Viscosity (UNI 8701-3) a 25 °C: 15 cSt



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Instructions for use

Prepare the water repellent solution by mixing one part CONSILEX INJECT MAUER with up to 10 parts water (maximum dilution 1:10). Stir with mechanical mixer for at least 5 minutes.

With the mixture thus prepared, fill the previously prepared containment bags (BARRIER BAG), and level with plaster until complete saturation of the masonry and "to rejection" of the same. In normal situations, a masonry about 40 cm thick will absorb about 7-8 litres of the 1:10 solution per metre of length.

Once the absorption is complete, remove the bags and tubes installed, leaving the "disposable" cartridges in the holes, so they will need to be adequately stuccoed with cement and/or lime mortar.

Substrate preparation

Remove the existing plaster, only if necessary, up to at least one metre above the line of evident damp

Draw a line parallel to the outside kerb or inside flooring, at about 10-15 cm from the same. Prepare drilling points at 12 cm distance from one another on the line. The inclination of the holes should be about 20° down. The depth of the holes should be approximately 4/5 the thickness of the wall to inject. The tip of the drill should be slightly greater than 30 mm. Once the holes are completed, the dust produced by perforation must necessarily be eliminated.

Insert the specific cardboard tubes BARRIER TUBE D26 in the holes thus made, as described in the relevant data sheet, and provide the specific BARRIER BAG polyethylene bags with tubes, as described in the relevant technical data sheet.

Storage and preservation

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight.



Warnings, Precautions and Ecology

Technical and performance data outlined in this document are the result of laboratory testing conducted in a conditioned environment, as such they can result as considerably changed from operating and application conditions. The need follows to carry out preliminary tests in actual use conditions.

The user is required to check the product's most recent Material Safety Data Sheet, reporting physical-chemical and toxicological data, risk phrases and other useful information on how to safely transport, use and dispose of the product and its packaging. It is also reminded that the product and its packaging must not be dispersed in the environment for any reason.

The properly prepared and mixed microemulsion should be clear. If it is cloudy, do not proceed with application.



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CONSILEX INJECT MAUER is produced/distributed by



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