

# Consilex Mauer Mono

## Mono-component microemulsion for low pressure chemical barriers



Aqueous, water repellent microemulsion based on low molecular weight silane monomers, free from polluting solvents and reaction by-products, characterised by very high penetration and considerable reinforcing, protective effectiveness. It does not involve alterations in colour, appearance and breathability of the masonry structure. Suitable for forming horizontal chemical barriers against rising damp, free from awkward reaction waiting times.

**CUSTOMS CODE:** 3824 9970

**COMPONENTS:** Single-component

**APPEARANCE:** Liquid

**AVAILABLE COLORS:** Transparent

**PACKAGING AND DIMENSIONS:** Plastic can 5 l - Plastic can 10 l - Bottle 1 l

## FIELDS OF APPLICATION

Forming horizontal chemical barriers against rising damp, free from awkward reaction waiting times. Deep water repellent, breathable treatment of external walls and porous mineral products: natural stones, bricks, tufa, limestones, conglomerates, plasters for external walls with mineral paints etc.

## ALLOWED SUPPORTS

Concrete - Bricks - Tuff - Mixed walls (bricks and stones) - Stone walls

## PREPARATION OF SUPPORTS

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 a distance of about 10-15 cm from the same. Prepare drilling points at 12 cm distance from one another on the traced 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 drill bit to be used must have a diameter of 18-20 mm. Once the holes are finished, the dust produced by drilling is required to be eliminated.

## MODE OF USE

Pour Consilex Mauer Mono in a container containing clean water up to a dilution not exceeding 21 times (it is recommended to dilute at a ratio of 1:18). Mix with a high-speed drill for 5 minutes until the initially turbid and cloudy solution becomes clear. Using the final microemulsion thus prepared, proceed with low pressure injections by airless pump (manual or electric), directly into the designated holes in the masonry. Consumption may vary depending on the characteristics of the masonry and its thickness. By way of example, for 40 cm thick masonry, the indicative consumption of the aqueous solution is between 5 and 8 l/m. Manual mixing of the product is absolutely excluded as it is inappropriate for forming the emulsion. It is therefore necessary to operate only with high-speed drill for not less than 5 minutes. Flammable product; keep away from open flames, heat sources etc.



## APPLICATION METHODS

Injection - Low pressure airless nebulizer

## TOOL CLEANING

Water

## KEY FEATURES

- |   |  |
|---|--|
|  Density: 1.02 kg/dm <sup>3</sup> |  Flammable material             |
|  Shelf-life: 12 months            |  Use wearing protective glasses |
|  Use wearing protective gloves    |  UV-resistant                   |

## CONSUMPTION

From 0.12 to 0.15 litres of Consilex Mauer Mono 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

Protect from freezing. 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. Store the product at a temperature between +5°C and +35°C.

## SPECIFICATION ITEM

The water repellent treatments, the construction of horizontal barriers against capillary rising damp, will be made by the application of the system based on silane monomers of low molecular weight CONSILEX MAUER-MONO by AZICHEM srl, added with clean water and placed on site with the methods indicated by the manufacturer for the specific application requirements.



## ADDITIONAL CONTENT



## Alternative uses of the product

Consilex Mauer Mono can be effectively used for the preparation of a microemulsion appropriate for water repellent protection of masonry surfaces in general, against the weather and rain. In this case never exceed the dilution ratio in water of 1:28, the consumption in these cases is 300 g/m<sup>2</sup> of solution, applied by brush or spray or low pressure airless pump directly on dry surface.

## 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](http://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](http://www.azichem.com). It is forbidden to dispose of the product and/or packaging in the environment.

