

# Consilex Nanosil T-1000

Nano-dispersion water-oil repellent for treating absorbent materials



An impregnating water-oil repellent that is colourless, non-film and based on the nano-dispersion of silicon compounds. Protects lime-based plasters, cement mortars, concrete, natural stones, bricks, wood and so on from the weather, frost and thaw cycles, and aggressive atmospheric conditions. It does not alter the colour of the support nor impact the original appearance or breathability. Product characterized by a very high pearling effect (lotus flower effect) and excellent durability.

**CUSTOMS CODE:** 3824 9970

**COMPONENTS:** Single-component

**APPEARANCE:** Liquid

**AVAILABLE COLORS:** Transparent

**PACKAGING AND DIMENSIONS:** Plastic can 5 kg - Plastic can 25 kg

## FEATURES AND BENEFITS

Consilex Nanosil T-1000 belongs to the new generation of water-soluble fluorinated silica compounds, characterised by zero emissions of VOCs and the absence of flammability and toxicity. The active substance penetrates the porosity and micro-lesions, adhering to the support and counteracting the penetration and advancement of liquids without blocking the breathability of the support. The special chemical structure of Consilex Nanosil T-1000 ensures its high stability to alkali and thus its durability over time on various types of supports, such as: lime-based plasters, cement mortars, concrete, brick, natural stone and wood. The product differs from other treatments on the market due to having the following characteristics: - non-flammable - non-film - zero VOC - stable in water - free from emulsifiers - environmentally-friendly The treatment of absorbent materials carried out with Consilex Nanosil T-1000 is characterised by: - durability over time - total transparency - no variations to the surface colour - excellent water vapour breathability - elevated pearl effect - resistance to acids and alkalis - resistance to UV rays - an absence of reactive by-products that are harmful to people and the environment

## FIELDS OF APPLICATION

An impregnating treatment that is water-oil repellent, non-film, totally transparent and colourless, for above-ground masonry in brick, marble, slate, limestone, natural stone and tuff, cement or brick flooring, lime- or cement-based plasters and mortars, etcetera.

## ALLOWED SUPPORTS

Plasters - Concrete - Cement-based or lime-based mortars - Wood - Tuff - Tiles - Porphyry and natural stones - Bricks

## PREPARATION OF SUPPORTS

It is recommended that surfaces be treated prior to remove soluble salts and dirt, along with parts with poor surface adhesion. Cracks greater than 0.3 mm must always be filled. Apply to dry surfaces. In the event of rain or surface washing, wait 3 days at a temperature of at least 20° C prior to treatment.



## MODE OF USE

Apply the product homogeneously and evenly, by spraying at low pressure or brushing, taking care to achieve the best saturation of the substrate. Consilex Nanosil T-1000 comes ready-to-use. The quantity of product required depends on the porosity and absorption of the substrate to be treated, generally ranging from 100 to 200 grams/square metre. If very porous surfaces are to be treated, diluting the product with demineralised water at a ratio of 1:1 is advisable. Consilex Nanosil T-1000 is completely transparent and colourless, yet a preliminary test on the specific support is always recommend to verify any possible—albeit rare—presence of imperfections.

## APPLICATION METHODS


Suffuse - Low pressure airless nebulizer - Brush - Sprayer

## TOOL CLEANING


Water


## KEY FEATURES

 Nonflammable

 Solvent-free

 Use wearing protective gloves

 Shelf-life: 12 months

 Use wearing protective glasses

## TECHNICAL SPECIFICATIONS

Odorless

pH **6.5**

The product doesn't create film

Flash-point > **95 °C**

## CONSUMPTION

From 0.10 to 0.20 kg of Consilex Nanosil T-1000 per square metre of surface to be treated, depending on the porosity of the base.

## 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. Opened containers must be used immediately. Store the product at a temperature between +5°C and +35°C.



## PHOTO GALLERY



## 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](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.

