



CSX.0027

## CONSILEX ST

Specific transparent reinforcement for cultural heritage restoration

### Dosage

0.2 - 1.5 l/m<sup>2</sup>  
(Recommended: 1 l/m<sup>2</sup>)

### Packaging

- Plastic can 10 l
- Plastic can 5 l

### Application

- Brush
- Sprayer

Family  
Consilex

Product Lines

- Opus
- Sanageb

Components  
Single-component

Type  
Solutions based on ethyl esters

Functional Categories

- Surface strengthening of masonry and plasters
- Deep strengthening of surfaces in natural stone and stone cladding

Appearance  
Liquid

## General description

Transparent penetrating reinforcing agent, for natural stones, ornamental stone elements, mineral plasters etc. It is composed of ethyl esters of silicic acid in solvent, hardening by reaction with atmospheric moisture. Apply by low-pressure spraying, until rejection of the treated surfaces.

## General features

The ethyl esters of the silicic acid, which are the fundamental constituents of CONSILEX ST, penetrate the degraded and depleted wall fabric of the originating connective bonds, reconstructing a stable, insoluble binder matrix that is resistant to water, to UV radiation, and to naturally harsh substances. The reinforcement occurs without giving rise to foreign and/or harmful salts and without involving colour variations.

It can be conveniently used in combination with the transparent non-pellicular water repellent treatment CONSILEX ALTRAIN.

## Fields of application

Reinforcement, by adding silicic bonds, of manufactured goods and coatings made of porous stone: sandstone, trachyte, tufas, bricks, mineral plasters, terracotta, conglomerates, etc. Especially recommended for restoration interventions on architectural, monument and building works of historic significance.

## Available colours

- Transparent

## Basic features



Density:  
0.92 kg/dm<sup>3</sup>



Flammable material



Shelf-life:  
6 months



Temperature of use:  
+10 / +25 °C



UV-resistant

## Technical specifications

*Not to be diluted*

## Tools cleansing

- Nitro thinner
- UNI solvent

## Applicable on

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

## Substrate preparation

The application media should be clean and dry; where necessary the cleaning should be carried out exclusively with demineralised water.



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## Instructions for use

The product should be applied until "rejection", by low pressure spraying (maximum 0.5 bar). In situations of particular degradation a second application may be required after 10-20 days. Preliminary tests should always be carried out depending on the heterogeneity of stone materials, to determine the level and effectiveness of the reinforcement obtainable, the effective absorption of the product, the absence of changes in colour etc..

Remove any excess with Nitro thinner.

## Storage and preservation

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Store the product at a temperature between +5°C and +35°C.



## 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.

Do not apply in the presence of direct exposure to sunlight of surfaces.

Complete solution reaction will be obtained after about 4 weeks from the day of application.

*CONSILEX ST is produced/distributed by*



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