



SILIETILE

Consolidant product for silicate natural stones and absorbent artifacts



DESTINATION ➔ **Natural silicate stones, exposed brick and absorbent building products**, also of historical-artistic and/or monumental interest.

PROPERTIES ➔ Consolidant based on ethyl silicate in an **inert solvent mixture**. The particular solvents allow **optimal absorption of the active ingredient** through the capillaries of the stone material until the healthy core of the stone is reached.

Here, following a chemical reaction with atmospheric humidity, it transforms into **silica gel** which subsequently acts as a **binder for the decohesive material** without giving rise to saline by-products. **SILIETILE does not modify the breathability of the support and does not reduce the permeability to water vapour**, it does not modify the chromatic appearance of the treated materials and has a **high resistance to UV rays**.

USE ➔ Apply **SILIETILE** only on the **areas to be consolidated** of absorbent, **clean and perfectly dry** surfaces which present **significant phenomena of disintegration and decohesion** of the stone material. The product is **ready to use** and can be applied, as needed, using a **low-pressure sprayer** or a **soft natural fiber brush**. It is recommended to apply the product **until the stone support is completely saturated**. Otherwise, two coats of product can be applied, wet on wet. Apply evenly, avoiding surface stagnation of the product. Wait at least 15/20 days in order to evaluate the effectiveness of the treatment and, if necessary, apply subsequent protective products. Carry out preliminary tests on the surface to be treated in order to avoid possible unwanted effects.

YEALD ➔ Approximately **3-6 m²/lit** of product.

TECHNICAL DATA

- ➔ **APPEARANCE:** transparent liquid
- ➔ **SPECIFIC WEIGHT:** 0,88 Kg/l ± 0,1

PACKAGING

- 1CR032L1** ➔ 6 x **PLASTIC BOTTLES 1 LITER**
- 1CR032L5** ➔ 2 x **PLASTIC TANKS 5 LITER**

SPECIFICATIONS ➔ Consolidant based on ethyl silicate in an inert solvent mixture, specific for silicate stones and absorbent artefacts, including those of historical-artistic and/or monumental interest (such as **SILIETILE** by CIR). This consolidant must have a quantity of deposited gel equal to 30±5%, must not alter the chromatic appearance of the support, must leave its transpiration unaltered, must have high resistance to UV rays and must be easily applicable by brush or spray. The product must be accompanied by a 16-section safety data sheet as required by current legislation. Technical-scientific data sheets proving the properties of the product must be available upon request.

WARNINGS

- ➔ Product intended for professional use.
- ➔ Operating temperatures +10°C/+35°C.
- ➔ Carefully protect surfaces for which the product is not intended.
- ➔ Do not apply in conditions of high humidity, imminent rain or in full sun conditions.
- ➔ Do not smoke or use open flames during application.
- ➔ Equip operators as required by current safety regulations.
- ➔ Adequately ventilate closed rooms when using the product.
- ➔ Cover the scaffolding with waterproof sheets to protect it from rain and humidity

All information contained in our records correspond to our best knowledge of current techniques and cannot be considered binding or challenging as the real application conditions, verifiable case, may also result in major changes of both practices described above and the results obtained. Perform preliminary tests to determine if the product is suitable for the intended or not. We decline any liability for any damage resulting from improper use or misuse of the product. Do not litter in the environment. This data sheet replaces all previous versions.