



# SILIETILE

Solvent based ethyl silicate consolidant



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

**PROPERTIES** → Consolidating agent based on **ethyl silicate in an inert solvent mixture**. The particular solvents allow an optimal absorption of the active principle 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 of the **decoeso material** without giving rise to saline by-products.. **SILIETILE does not change the breathability of the substrate** and **does not decrease the permeability to water vapor**, does not change the chromatic aspect of the treated materials and has a **high resistance to UV rays**.

**USE** → Apply **SILIETILE** only on **the areas to consolidate** absorbent surfaces, clean and dry which present **significant disintegration phenomena and delamination** of the stone material. The product **is ready for use** and can be applied, as needed, using **a low pressure vaporizer** or a **soft brush in natural fibers**. It is recommended to apply the product **until complete saturation** of the stone support. 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, to apply subsequent protective agents. Carry out preliminary tests on the surface to be treated in order to avoid possible side effects.

**YIELD** → As an indication **3-6 m<sup>2</sup>/lt** of product.

## TECHNICAL DATA

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

## PACKAGING

- 1CR032L1** → 6 x **BOTTLE** plastic liter 1
- 1CR032L5** → 2 x **TANK** plastic liter 5

**SPECIFICATIONS** → Consolidating agent based on ethyl silicate in an inert solvent mixture, specific for silicate stones and absorbent products, also of historical-artistic and/or monumental interest (type **SILIETILE** of CIR). This consolidant must have a quantity of gel deposited equal to 30 ± 5%, must not alter the chromatic aspect of the substrate, must leave its transpiration unchanged, must have high resistance to UV rays and must be easily applied by brush or spray. The product must be accompanied by a 16-section safety sheet as required by current legislation. On request, a technical-scientific sheet proving the properties of the product must be available.

## WARNINGS

- Product intended for professional use.
- Operating Temperature + 5 °C / + 35 °C.
- Thoroughly protect the surfaces for which the product is not intended.
- Do not apply in conditions of high humidity, of impending rain and in conditions of full sun.
- Do not smoke or use open flames during application.
- Equip operators as required by current safety standards.
- Adequately ventilate the closed rooms during the use of the product.

## HAZARD STATEMENTS

**CONTAINS: 2-PROPANOL**

**HAZARD STATEMENTS "H":**

**H225** HIGHLY FLAMMABLE LIQUID AND VAPOR **H319** CAUSES SERIOUS EYE IRRITATION  
**H336** MAY CAUSE SLEEPING OR VERTIGUE **EU H208** CONTAINS: SILICIC ACID, TETRAETHYL ESTER, REACTION PRODUCT WITH BIS (ACETOSI) DIBUTYLSTANNATE. MAY CAUSE AN ALLERGIC REACTION

**CAUTION TIPS "P":**

**P101** IN CASE OF CONSULTATION OF A DOCTOR, KEEP THE CONTAINER OR PRODUCT LABEL AVAILABLE  
**P102** KEEP OUT OF THE REACH OF CHILDREN **P210** KEEP AWAY FROM HEAT SOURCES / SPARKS / OPEN FLAMES / HEATED SURFACES. DO NOT SMOKE **P233** KEEP CONTAINER CLOSED **P271** USE ONLY IN THE OPEN OR IN A WELL VENTILATED PLACE **P280** WEARING PROTECTED GLOVES / CLOTHING W PROTECT EYES / FACE **P312** IN CASE OF ILLNESS, CONTACT A POISON CENTER OR A DOCTOR **P501** DISPOSE OF THE PRODUCT / RECIPIENT IN COMPLIANCE WITH LOCAL / REGIONAL NATIONAL REGULATIONS

All the information contained in our documentation corresponds to our best current technical knowledge and cannot be considered binding or demanding since the real application conditions, verifiable on a case by case basis, can also entail significant changes both to the practices described above and to the results obtained. Carry out preliminary tests in order to establish whether the product is suitable or not for the intended use. No liability is accepted for damages that could result from improper or incorrect use of the product. Do not disperse the product and processing residues in the environment. This data sheet replaces and cancels the previous ones.