



BIO CPA

Consolidant based on ethyl silicate and additives in solvent mixture



DESTINATION ➔ **Natural silicate stones and absorbent building materials**, including those of historical, artistic or monumental interest.

PROPERTIES ➔ Consolidant based on **ethyl silicate** and additives in an **inert solvent mixture**.

The special solvents allow **optimal absorption of the active ingredient** through the capillaries of the stone material until it reaches the healthy core of the stone. Here, following a chemical reaction with atmospheric humidity, it **transforms into silica gel** which then **acts as a binder for the loose material without producing any saline by-products**. **BIO CPA does not alter the breathability of the substrate** or **reduce its water vapour permeability**, does not change the colour of the treated materials and is **highly resistant to UV rays**.

USE ➔ Apply **BIO CPA** only to areas requiring consolidation on **absorbent, clean and perfectly dry surfaces** that show significant signs of **disintegration and delamination of the stone material**. The product is **ready to use** and can be applied, as required, using a **low-pressure sprayer** or a **soft natural fibre brush**. It is recommended to apply the product **until the stone substrate is completely saturated**. Alternatively, two coats of the product can be applied, wet on wet. **Apply evenly, avoiding surface build-up of the product**. Wait at least 15-20 days to assess the effectiveness of the treatment and apply any subsequent protective coatings. Carry out preliminary tests on the surface to be treated in order to avoid any undesirable effects.

YIELD ➔ As an indication **3-6 mq/l** of product.

TECHNICAL DATA

- ➔ **APPEARANCE**: transparent liquid
- ➔ **SPECIFIC WIEGHT**: 0,88 Kg/l \pm 0,1
- ➔ **AMOUNT OF DEPOSITED GEL**: 30 \pm 5 % *

*Values obtained from laboratory tests; in common practice, they may vary significantly.

PACKAGING

1CR107L5 ➔ 2 x 5 liters plastic **TANK**

SPECIFICATION ➔ Consolidant based on ethyl silicate and additives in an inert solvent mixture, specifically for silicate stones and absorbent artefacts, including those of historical, artistic and/or monumental interest (such as CIR's **BIO CPA**). The product must have a gel deposit quantity of 30 \pm 5%. This consolidant must not alter the colour of the substrate, must leave its breathability unaltered, must have high resistance to UV rays and must be easily applicable by brush or spray. It must be accompanied by a 16-section safety data sheet as required by current legislation. A technical-scientific data sheet proving the properties of the product must be available on request.

WARNINGS

- ➔ Product intended for professional use.
- ➔ Application temperatures: +10°C/+35°C.
- ➔ Do not apply in conditions of imminent rain or full sun.
- ➔ Carefully protect surfaces not intended for treatment with the product.
- ➔ Adequately ventilate closed rooms during use of the product.
- ➔ Do not smoke or use naked flames during application.
- ➔ Equip operators in accordance with current safety regulations.
- ➔ Cover scaffolding with waterproof sheets to protect it from rain and moisture.

All information contained in our documentation corresponds to our current technical knowledge and cannot be considered binding or binding, as the actual application conditions, which can be verified on a case-by-case basis, may also involve significant changes to both the practices described above and the results obtained. Carry out preliminary tests to determine whether the product is suitable for the intended use. We accept no liability for damage resulting from improper or incorrect use of the product. Do not dispose of the product or processing residues in the environment. This technical data sheet replaces and cancels all previous versions.