



## BIO R-IPC-30

**Water-repellent protective, consolidant based on ethyl silicate, siloxanes and additives in a solvent mixture**


**RESTORATION**

cleaning, consolidation and protection



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

**PROPERTIES** ➔ **Protective consolidant** based on **ethyl silicate, siloxane oligomers and additives** 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 turns into silica gel which, subsequently, **acts as a binder of the incompact material** without giving rise to saline by-products. The siloxane component performs an **important water-repellent action**, as well as the bridge function between calcareous molecules and ethyl silicate.

BIO R-IPC 30 **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 **BIO R-IPC 30** only on the areas to be consolidated on absorbent, clean and dry surfaces which present important phenomena of disintegration and decohesion 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.

Carry out preliminary tests on the surface to be treated in order to avoid possible side effects.

**YIELD** ➔ As an indication **5-10 m<sup>2</sup>/lt** of product.

### TECHNICAL DATA

- ➔ **APPEARANCE:** transparent liquid
- ➔ **SPECIFIC WEIGHT:** 0,88 Kg/l  $\pm$  0,1
- ➔ **WATER ABSORPTION REDUCTION:** > 75% \*

\* Values obtained from laboratory tests, in common practice can also undergo significant variations

### PACKAGING

**1CR108L5** ➔ 2 x 5 liters plastic **TANK**

**SPECIFICATIONS** ➔ Protective consolidating agent based on ethyl silicate, siloxane oligomers and additives in an inert solvent mixture, specific for natural stones of any nature and absorbent products, also of historical-artistic and / or monumental interest (such as **BIO R-IPC 30** by CIR). The product must have a quantity of gel deposited equal to  $30 \pm 5\%$ , it must have a reduction in water absorption > 75%. This consolidant must not alter the chromatic aspect of the substrate, must leave its breathability unchanged, 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 sheet as required by current legislation. A technical-scientific sheet proving the properties of the product must be available on request.

### WARNINGS

- ➔ Product intended for professional use.
- ➔ Operating temperatures + 5 ° C / + 35 ° C.
- ➔ Thoroughly protect the surfaces for which the product is not intended.
- ➔ Do not apply in imminent rain conditions and in full sun conditions.
- ➔ 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.

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.