

# BIO R-IPC 30

**Protective Consolidant water repellent product, based on silicate of ethyl, siloxanes and additives in solvent mixture**

## Surface Destination:

Natural stones of any kind and absorbent building artifacts, both of historical-artistic and/or monumental interest and not.

## Properties:

Protective stabilizer based on ethyl silicate, siloxane oligomers and additives (DC-OIT and IPBC) in an inert solvent mixture. The particular solvents allow an optimal absorption of the active principle through the capillaries of the stone material until reaching the healthy nucleus of the stone. Here, following a chemical reaction with atmospheric humidity, it is transformed into silica gel which, subsequently, acts as a binder of the incompact material without giving rise to saline by-products. The siloxane component has an important water-repellent action, as well as the bridge function between calcareous molecules and ethyl silicate. BIO R-IPC 30 does not change breathability of the support and does not diminish the water vapor permeability, 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 twchich must be consolidated since incompact and visibly crumbled. Once having checked that the surface to be treated is well dry, apply the product, ready ti use, using a low pressure vaporizer or a brush made of soft natural fiber. It is advisable to apply the product until the stone substrate is completely saturated. Otherwise, two coats of product can be applied, wet on wet. Apply evenly, avoiding superficial stagnation of product. Wait at least 15/20 days to evaluate the effectiveness of the treatment. Perform preliminary tests on the surface to be treated in order to avoid possible unwanted effects.

## Technical Data:

Appearance: transparent liquid  
Water absorption reduction:> 75%  
\* Amount of gel deposited: 30 ± 5%  
Specific Weight: 0.88 Kg / l ± 0.1  
Packaging: LT 5 plastic cans

## Performance - consumption:

Approximately, 4 - 8 square meters for liter of product (2 hands). The performance of the product may vary with the absorption of the different types of substrate.

**Specifications:** Protective consolidating agent based on ethyl silicate, siloxane oligomers and additives (DC-OIT + IPBC) in inert solvent mixture, specific for natural stones of any nature and absorbent products, also of historical-artistic and / or monumental interest (as BIO R-IPC 30 of CIR). The product must have a quantity of gel deposited equal to 30 ± 5%, must show a reduction in water absorption > 75%. This consolidant must not alter the chromatic aspect of the support, must leave its transpiration unchanged, must have high resistance to UV rays and must be easily applied by brush or spray. It must be equipped with 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 for professional use.
- Applying temperature range: +5° C/+35° C
- Carefully protect the surfaces to which the product is not intended.
- Do not apply under conditions of high humidity, imminent rain or full sun.
- Do not smoke or use open flames during application
- Ventilate the closed rooms properly when using the product
- Equip operators as required by current safety regulations

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.