



## SOLID RAPID

### ETHYL SILICATE BASED CONSOLIDATOR FOR DEGRADED BUILDING SURFACES

SOLID RAPID is a liquid formulation that allows the consolidation of mineral building materials degraded by atmospheric conditions (acid rain, etc.) through the chemical recomposition of the mineral matrix, restoring its consistency characteristics.

Consolidation takes place through the reaction of SOLID RAPID within the porosity of the treated material: the reaction is completed within 2 - 3 weeks depending on atmospheric conditions, the porosity of the material, its nature and chemical structure, etc.

After consolidation to the desired extent, it is advisable to create a water-repellent protection to prevent the penetration of humidity in which gaseous, liquid, solid pollutants and microorganisms can be dissolved which can cause further degradation of the mineral building materials.

It is recommended to create this type of protection with Protex Idro SK.

SOLID RAPID offers the following advantages:

- single component easy to use
- deep penetration
- dries leaving the surface non-sticky
- It usually does not cause any chromatic alteration
- high consolidating power on porous materials

### INSTRUCTIONS FOR USE

#### Surface preparation

The surfaces to be treated must be absorbent and clean: encrustations, organic residues, old paint residues, algae, moss and lichens must be removed with suitable products and/or procedures before the consolidation treatment.

Cleaning can be done:

- with pressurized water or with steam washing machine
- with specific Turco detergents for building maintenance followed by complete rinsing until a neutral reaction occurs

In the case of particularly degraded surfaces, pre-consolidation with SOLID RAPID may be necessary.

The surface must be dry before applying SOLID RAPID in order to promote a correct reaction mechanism between the product and the surface to be consolidated.



## Application

**SPRAYING:** this is the most effective method. It is carried out at low pressure, saturating the surface; the quantity to be applied and the saturation methods will mainly depend on the absorption capacity of the building or stone material to be treated.

**ROLLER:** used for flat surfaces, ensuring that the product is distributed in sufficient and uniform quantities

**BUFFER:** This is done with rags or swabs saturated with the product, maintaining prolonged contact to ensure absorption into the surface.

The penetration depth will depend on the absorption capacity of the substrate and the application method. Consumption may vary considerably: it is advisable to carry out preliminary tests to determine the consumption of material based on the desired degree of consolidation.

To increase penetration into the substrate, it is possible to dilute SOLID RAPID with its diluent D SR SOLV in a percentage that varies depending on the porosity of the material.

It may be necessary to repeat the application of SOLID RAPID several times until the desired effect is achieved.

We recommend using SOLID RAPID at temperatures between 10 and 25 °C. Use in unfavorable temperature and humidity conditions will result in unsatisfactory results due to an alteration of the reaction chemistry.

## STORAGE

The product, in sealed packages, must be transported at temperatures between 5° and 30° and stored in a cool, dry place.

## PRECAUTIONS

Before use, consult the safety information sheet.

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