

## Protech Sil I

Water repellent, breathable putty coat, based on siloxane dispersions



Water-repellent, breathable, pigmented, ready-to-use plaster based on siloxane resins dispersed in water. Ideal for the protective coating resistant to water and bad weather in the renovation interventions, both of external facades and of internal environments, of civil and industrial buildings, and in new constructions.

**CUSTOMS CODE:** 3214 9000

**COMPONENTS:** Single-component

**APPEARANCE:** Paste

**AVAILABLE COLORS:** Request available colors

**PACKAGING AND DIMENSIONS:** Pail 5 kg - Pail 25 kg

### OBTAINED CERTIFICATIONS AND REGULATIONS



### FEATURES AND BENEFITS

Protech Sil I is available in 5 different sizes for the most varied applications: - Very fine (grain  $\leq$  0.4 mm) - Fine (grain  $\leq$  0.7 mm) - Medium (grain  $\leq$  1.0 mm) - Large (grain  $\leq$  1.5 mm) - Very large (grain  $\leq$  2.0 mm)

### FIELDS OF APPLICATION

"Waterproofing", water repellent, breathable, protective and decorative finish, for masonry surfaces in vintage buildings, subject to protection as "cultural heritage" or otherwise, in restoration, for new buildings, in dehumidifying systems etc.

### ALLOWED SUPPORTS

Plasters - Concrete - Cement-based or lime-based mortars - Prefabricated concrete - Fiber-cement

### PREPARATION OF SUPPORTS

The surfaces of application will be adequately prepared: dry, free from fouling, powder, crumbling parts, incoherent, pre-existing synthetic paints etc. Any lime and/or cement-based plaster, lime painting, compact and anchored, they can be preserved. It is essential to pre-treat with the siloxane fixative Protech Sil Fix.



## MODE OF USE

Protech Sil I is ready to use, in the form of thixotropic paste which, after thorough mixing, can be applied immediately. Two layers of application are recommended, each with a thickness not exceeding the size of the calcareous grain contained in the product. After applying the second coat, when the product starts the drying stage, proceed to floating with sponge tool.

## APPLICATION METHODS

Finishing trowel - Sponge float - Spatula

## TOOL CLEANING

Water


## KEY FEATURES

 Density: 1.72 ( $\pm$  0.02) kg/dm<sup>3</sup>

 Shelf-life: 12 months

 To be applied in two coats

 Nonflammable

 Temperature of use: +8 / +30 °C

## TECHNICAL SPECIFICATIONS

pH **7.6-8.9**

Capillary absorption **0.23 kg·h<sup>0.5</sup>/m<sup>2</sup>**

10' a 150°C

Dry residue **83.8 %**

## CONSUMPTION

Indicative consumption depending on the different particle sizes of Protech Sil I available: 1 mm GRAIN: approximately 1.25 -1.40 kg/m<sup>2</sup>; 1.2 mm GRAIN: approximately 1.40 -1.55 kg/m<sup>2</sup>; 2 mm GRAIN: approximately 1.85 -2.15 kg/m<sup>2</sup>; 2.2 mm GRAIN: approximately 2.00 -2.30 kg/m<sup>2</sup>. The indicated yields refer to smooth supports and are for guidance only. Actual consumption must be identified with a suitable practical test.

## STORAGE AND CONSERVATION

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Protect from humidity.



## PHOTO GALLERY



## ADDITIONAL CONTENT



## WARNINGS AND PRECAUTIONS

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge. Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage. Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: [www.azichem.com](http://www.azichem.com). The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: [www.azichem.com](http://www.azichem.com).

It is forbidden to dispose of the product and/or packaging in the environment.

