



PRT.0110

PROTECH SIL I

Water repellent, breathable putty coat, based on siloxane dispersions

Customs Code

3214 9000

Packaging

- Pail 5 kg
- Pail 25 kg

Application

- Finishing trowel
- Sponge float
- Spatula

Family
Protech

Type
Siloxane fixatives, fillers, paints and plasters

Product Lines
• **Building**

Functional Categories
• **Protective coating (plasters)**

Components
Single-component

Appearance
Paste

Certifications and legislations



EN 15824

Specifications for organic binder based interior and exterior plasters

General description

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.

General features

PROTECH SIL I is available in 5 different sizes for the most varied applications:

- Very fine (grain ≤ 0.4 mm)
- Fine (grain ≤ 0.7 mm)
- Medium (grain ≤ 1.0 mm)
- Large (grain ≤ 1.5 mm)
- Very large (grain ≤ 2.0 mm)

Dosage

Indicative consumption depending on the different particle sizes of PROTECH SIL I available:

- 1 mm GRAIN: approximately 1.25 -1.40 kg/m²;
- 1.2 mm GRAIN: approximately 1.40 -1.55 kg/m²;
- 2 mm GRAIN: approximately 1.85 -2.15 kg/m²;
- 2.2 mm GRAIN: approximately 2.00 -2.30 kg/m².

The indicated yields refer to smooth supports and are for guidance only. Actual consumption must be identified with a suitable practical test.

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.

Basic features



Density:
1.72 (± 0.02) kg/dm³



Nonflammable



Shelf-life:
12 months



Temperature of use:
+8 / +30 °C



To be applied in two coats



Available **colours**
Request available colors



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Technical specifications

Capillary absorption: 0.23 kg•h^{0.5}/m²
Dry residue (10' a 150°C): 83.8 %
pH: 7.6-8.9 _

Tools cleansing

- Water

Applicable on

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

Substrate preparation

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.

Instructions for 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.

Storage and preservation

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.



Warnings, Precautions and Ecology

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. 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.

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



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PROTECH SIL I is produced/distributed by



Via Giovanni Gentile, 16/A - 46044 Goito (MN), Italy
info@azichem.com Tel. +39 0376.604185 /604365 Fax +39 0376 604398



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