

PRODUCT DATA SHEET  
**SILOXSIL ACTIVE**  
**1000 - 1200 - 1500**



Anti-mould anti-algae fiber-reinforced silicate-based wall covering with compact effect

## DESCRIPTION

Textured masonry covering for exteriors and interiors composed of selected grain quartz dispersed in acrylic resin emulsion and aqueous potassium silicate.

Due to its chemical nature, it hardens by reacting chemically with the surface. It is characterized by high vapour diffusion, such as to ensure the breathability required to ensure dry walls, making it suitable for finishing of dehumidifying systems.

Its quality guarantees excellent protection and colour resistance in exterior applications. Its compact and even finish guarantees superb masking of any imperfections in the plaster and so the product, in the colours with refractive index >25, is especially suitable for the painting and maintenance of exterior insulation coverings.

## WATER RESISTANCE

Beyond the effects, the product is completely cured in over 10 days under optimal conditions (+ 15° C + 30° C with support humidity <10% and relative air humidity <75%). With environmental humidity forecast, it protects from rain for a few days.

## COMPOSITION

Wall coating composed of acrylic resin and potassium silicate, selected grain quartz and specific anti-mould, anti-algae additives that are resistant to leaching, encapsulated using a new technology that guarantees constant and effective protection of the film. This gives exterior wall surfaces longer protection against algae, mould and fungi.

## PROPERTY OF THE PRODUCT

	Value	Method
RESISTANCE TO ATMOSPHERIC AGENTS	EXCELLENT	
RESISTANCE TO MICROSCREDS	GOOD	
WATER IMPERMEABILITY	MEDIUM	
GRADE OF TRANSMISSION OF WATER VAPOR (permeability)	Sd = 0.2910 m Spessore = 1979 µm µ = 147 Class V <sub>2</sub> (medium permeability)	UNI EN ISO 7783-2
DIRTY SOCKET SOLID BY WEIGHT 1h at 105°	LOW 78-82 %	Internal PF25

## SPECIFICATION DATA

	Value	Method
Specific weight	1700-1950 g/l	Internal PF3
Drying time	recoatable 24h; fully 10 days	Internal PF2

## SHELF LIFE

1 year minimum, stored in its unopened original can at temperatures between +5°C and +30°C.

## COLOUR RANGE

White.

The range of colours can be extended using the shades from the *Tucano*, sample books. The colour could vary slightly from one production batch to the next; it is therefore important to finish the job with the same batch. Mineral products react chemically with the substrate and therefore on plasters of different types and compositions, there may be variations in colours even with the same batch;

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prepare the undercoat well.

## TYPICAL USE

It is ideal for decorating and protecting, from atmospheric agents in rural, marine or industrial environments, new structures or structures undergoing maintenance that have alkaline substrates treated with appropriate primer such as plasters with different compositions (cement, common lime, pre-mixed, skim coat plaster for exterior insulation), concrete and fibrocement and old silicate or lime-based paint. Strong colours may also be used. Cannot be applied on synthetic paints. Although compatible with cement and reinforced concrete, it does not provide proper protection due to its high breathability. On exterior surfaces subject to biological pollutants, such as mould, seaweed and moss, add 350 ml of B25 for every 23 kg of product. Apply with a stainless steel trowel, taking care to spread the product evenly over the plaster. Before drying begins, smooth the surface with a plastic trowel, making light, even, circular movements. In order to obtain an even surface, work with the same tool and a sufficient number of operators on the platform to guarantee continuous wet-on-wet covering of the entire wall without interruption. Since the product hardens by a chemical reaction with the substrate, it is important to cover the surfaces that do not require painting (glass and marble) and to remove any colour stains immediately. Clean tools with water.

## TOOLS

Stainless steel and plastic trowel

## THINNING

0-3% by weight with water

## COVERAGE

1000: 0.5-0.6 m<sup>2</sup>/kg per coat  
1200: 0.4-0.5 m<sup>2</sup>/kg per coat  
1500: 0.33-0.4 m<sup>2</sup>/kg per coat.

## APPLY

+5°C +30°C

## COATING SYSTEM

**New substrates made of cement-based and gauged mortar plasters, dehumidifying plasters**

1. Power wash to remove any impurities such as dirt, moss, mould and parts flaking off the casting, and proceed as follows:
2. apply a coat of *Silicap fix* on the dry substrate;
3. after 5-8 hours, apply a coat of *Siloxsil Active*.

**Surfaces with skimming plaster for exterior coatings**

- 1.1 Apply a coat of Primer Top or Murisol W to the dry surface;
- 1.2 After 5-8 hours, apply a coat of *Siloxsil Active*.

**Maintenance on old paint**

1. Using brushes and scrapers, remove any paint that is flaking off, bloom or other uneven residues or crumbling materials and power wash with a high pressure water jet cleaner.
2. Restore any missing plaster using synthetic mortar *K29*, if a thin coat is required; apply *50* or *501* when a thick coat is needed.
3. After 24 hours, if *K29* has been applied, or after 14 days if *50* or *501* has been used, apply a coat of *Unifix Grosso* or *Fine*.
4. After 5-8 hours, apply a coat of *Siloxsil Active*.

## SPECIFICATION

Textured water-based covering, formulated with acrylic/silicate binder and a mixture of marble chippings with a max. grain-size distribution of 1 mm (type

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**ITEM**

1000), max. 1.2 mm (type 1200), max. 1.5mm (type 1500) and a good level of breathability. To be applied on surfaces treated with a suitable primer at an average consumption rate of 1.8 kg/m<sup>2</sup> (type 1000), 2.3 kg/m<sup>2</sup> (type 1200), 2.8 kg/m<sup>2</sup> (type 1500).

**INSTRUCTIONS**

To carry out the work in a proper way, it is needed to strictly follow the instructions for the preparation of the surfaces contained in the CAP Arreghini Books. This technical information is intended as a rough guide. However, because of the enormous variety of media and application conditions, it is essential to check the suitability of the product and test the effectiveness on a sample. The specification data and technical information have been calculated at +23 °C with relative ambient humidity of 65%. In different conditions the data and the time intervals between the two phases of the above reported coating system can vary.