

PRODUCT DATA SHEET  
SIL 2000 ACTIVE

Siloxane water-based anti-mould anti-algae self-cleaning paint for exterior



## DESCRIPTION

Water-based paint, waterproof and moderately breathable, easy to apply, self-cleaning, ideal for professional use as it is extremely compatible and has excellent adhesion properties, filling and covering powers on a wide variety of substrates. High quality paint formulated with siloxanic resins and having a good finishing level, which ensures excellent protection and colour resistance in outdoor environments. It is characterized by perfect balance between water impermeability and water vapour permeability, so as to guarantee the breathability required for dry walls. High water-repellence also ensures strong resistance against the destructive action of rain. Thanks to the quartz powder it contains, it has the power to fill the substrate, obtaining a compact and even finish.

### RESISTANCE TO WATER

The product dries and cures completely in over 10 days under optimal conditions (+15 +30° C with support relative humidity <10% and relative air humidity <75%). If before complete drying the painting undergoes erosion caused by rainwater or condensation (in case of fog or humidity greater than 85%) there may be sagging-glossy-looking more or less extensive. This phenomenon, of a temporary nature, does not affect the strength of the product and is removed with water or through the subsequent natural action of rain and sunshine.

### RESISTANCE TO MOLD AND ALGAE

This product has been tested according to the standard EN15458 – 2006 and the results confirm the validity of efficacy against fungi and algae.

We must consider, however, that the active ingredients contained within it are biodegradable and therefore the effectiveness is reduced over time to the prolonged action of fungi and algae that settle on the surface of the film. Moreover, the presence of organic substances, climatic conditions, humidity and rainfall reduces the efficacy of the active ingredients. In the presence of high humidity or rainfall, in fact, the action-mold (which is the case for the micro-organism's contact with the active ingredient) is less effective because the active ingredient will be in a State of dilution. So it is not possible to quantify how soon can resume the growth of micro-organisms, fungi and algae.

## PROPERTY OF THE PRODUCT

	Value	Method
WEATHER RESISTANCE	GOOD	
COVERAGE	GOOD	
OPACITY LEVEL	HIGH	
WATERPROOF	GOOD	
WATER VAPOUR DIFFUSIO	GOOD	
DIRT RETENTION	LOW	
Solid by weight	57-61%	Internal PF25
MOULD-RESISTANCE	EXCELLENT	

## SPECIFICATION DATA

	Value	Method
Specific weight	1260-1460 g/l	Internal PF3
Drying time	recoatable 4-6h; 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 AC16

The range of colours can be extended using the *Tucano*, *Area 115* and *Spazio 100* 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.

## TYPICAL USE

It is ideal for decorating and protecting, from atmospheric agents, new structures or structures undergoing maintenance and that have alkaline substrates such as plasters with different compositions (cement, common lime, pre-mixed, skim coat plaster for exterior insulation), concrete and fibrocement, in rural, marine or industrial environments. Strong colours may also be used. It may be used as a finishing on dehumidifying plaster. Although compatible with cement and reinforced concrete, it does not provide proper protection due to its high breathability.

## TOOLS

Roller, Brush, Spray

## THINNING

Roller, Brush: 10-20% by weight with water.  
Airless Spray: 0-10% by weight with water.

## COVERAGE

10-12 m<sup>2</sup>/l per coat, depending on the type of processing.

## APPLY

+5°C +30°C

## COATING SYSTEM

**New substrates made of cement-based and gauged mortar 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 *Murisol* or *Murisol W* on the dry substrate;
3. After 5-8 hours, apply two coats of *Sil K2000 Active*, 4-6 hours apart.

### Maintenance on old paint

- 2.1 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.
- 2.2 Restore any missing plaster using synthetic mortar K29, if a thin coat is required; apply 50 or 501 when a thick coat is needed.
- 2.3 After 14 days, proceed as per points 2, and 3.

### Maintenance on old paint polluted with mould

- 3.1 Prepare the surface as per points 2.1 ,2.2;
- 3.2 Treat the surface with anti-mould B1;
- 3.3 After 4-6 apply a coat of *Murisol* or *Murisol W*;
- 3.4 After 5-8 hours apply two coat of *Sil 2000 Active*.

### Maintenance on thick coatings

- 4.1 Using brushes and scrapers, remove any coating that is flaking off, bloom or other uneven residues or crumbling material and power wash with a high-pressure water jet cleaner.
- Restore any missing areas of the coating and apply two coats of *Sil 2000 Active*, 4-6 hours apart.

## SPECIFICATION ITEM

Pigmented elastomeric-siloxanic paint, in aqueous dispersion, for interiors and exteriors, with internal elastification and high water vapour diffusion properties, resistant to moulds and algae, to be applied on surfaces treated with a suitable primer, with an average consumption rate of 180 ml/m<sup>2</sup>.

## 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

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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.