

SIL96 QUARZO ACTIVE

Siloxane water-based anti-mould anti-algae filling paint for exterior

DESCRIPTION

Quality siloxane resin-based paint that ensures good protection and exterior colour resistance; it is water-soluble, water-proof and moderately breathable, easy to apply, ideal for professional use as it is extremely compatible and has excellent adhesion, filling power and coverage on different types of substrate.

It has the right balance of water impermeability and vapour diffusion capacity to ensure the necessary breathability and dry walls, making it suitable for finishing dehumidifying systems. The quartz powder it contains enables it to fill the substrate and thus obtain a compact, homogeneous finish. Thanks to its high opacity, it ensures adequate masking of plaster imperfections. The product in colours with a light reflectance value LRV>25 is also suitable for the maintenance painting of thermal insulation systems.

RESISTANCE TO MOULD AND ALGAE

The product has been tested and the results confirm the effectiveness against fungi and algae. It must, however, be considered that the active ingredients contained therein are biodegradable and consequently the effectiveness reduces over time due to the prolonged action of fungi and algae that settle on the surface of the paint film. Furthermore, the presence of organic substances, climatic conditions, humidity and rainfall contribute to reducing the effectiveness of the active ingredients. In fact, in the event of high humidity or rainfall, the mould-resistant action (which occurs by contact of the microorganism with the active ingredient) will be less effective due to the active ingredient being in a diluted condition. Therefore, it is not possible to quantify after how long microorganisms, fungi and algae will start to grow again.

COMPOSITION

Product formulated with acrylic styrene resins in aqueous dispersion, siloxane resins, quartz powder and selected aggregates and additivated with synthetic fungicide.

PROPERTIES OF DRIED FILM

	Value	Method
MOULD-RESISTANCE	EXCELLENT	
WEATHER RESISTANCE	GOOD	
COVERAGE	GOOD	
OPACITY LEVEL	HIGH	
WATERPROOF	GOOD	
WATER VAPOUR DIFFUSIO	GOOD	
DIRT RETENTION	LOW	
Solid by weight	64-68%	Internal PF25
Drying time	recoatable 4-6h; fully 10 days	Internal PF2

PERFORMANCE DATA

	Value	Method
Specific weight	1400-1550 g/l	Internal PF3

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 and NCS 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.

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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. 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 14 litres of paint.

TOOLS

Roller, Brush.

THINNING

15-30% by volume with water.

COVERAGE

8-10 m²/l per coat.

APPLY

+5°C +30°C

COATING SYSTEM

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

- 1.1 Power wash to remove any impurities such as dirt, moss, mould and parts flaking off the casting, and proceed as follows:
- 1.2 Apply a coat of *Murisol* or *Murisol W* on the dry substrate;
- 1.3 After 5-8 hours, apply two coats of *Sil96 Quarzo Active* quartz water-paint, 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 *Rasacap 50* or *501* when a thick coat is needed.
- 2.3 After 24 hours if *K29* has been used or 14 days if *50* or *501* has been used, apply one coat of *Murisol* or *Murisol W*;
- 2.4 2.3 After 5-8 hours, apply two coats of *Sil96 Quarzo Active* with 4-6 hours between each coat.

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 5-8 hours apply a coat of *Murisol* or *Murisol W*.
- 3.4 After 5-8 hours, apply two coats of *Sil96 Quarzo Active* with 4-6 hours between each coat.

Maintenance on texture coatings

- 4.1 Remove any flaking paint, efflorescence, debris or other loose or crumbling material with brushes and scrapers and wash with a pressure washer.
- 4.2 Restore any missing parts of the texture coating and apply two coats of *Sil96 Quarzo Active* at a distance of 4-6h from each other.

SPECIFICATION ITEM

Pigmented siloxanic paint containing quartz powder, in aqueous dispersion, suitable for interiors and exteriors, with high water vapour permeability, to be applied on surfaces treated with a suitable primer, at an average consumption rate of 220 ml/m².

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.