

TECHNICAL DATA SHEET

CAPCLEAN ACTIVE

Self-cleaning, anti-mould, algae-resistant, photocatalytic waterbased paint for exteriors

DESCRIPTION

CAPCLEAN ACTIVE is a siloxane photocatalytic water paint for exteriors. Thanks to the presence of nanometric titanium particles with photocatalytic properties, Capclean displays self-cleaning and anti-pollution characteristics and an effective anti-mould/anti-algae activity. In fact, in addition to its water-repellent and highly breathable properties, typical of its siloxanic nature, the presence of photocatalytic pigments gives the product a self-cleaning action, since dirt particles do not cling to the surface and are easily removed by rain, and an ability to break down pollutants in the air (nitrogen oxides and harmful organic compounds) that are transformed into substances that are harmless to man and the environment. In addition, the product's photocatalytic property gives the film lasting protection against the growth of mould and algae. The matt appearance, high coverage and excellent filling capacity additionally guarantee a homogeneous, high-quality finish.

PRODUCT PROPERTIES

	CLASSIFICATION	METHOD	VALUE
Permeability to liquid water	W3 Low	UNI EN 1062-3	$\leq 0.1 \text{ kg/m}^2 \text{ h}^{0.5}$
Vapour permeability	V2 Media	UNI EN ISO 7783	$S_d \geq 0.14$ and $< 1.4 \text{ m eq}$
Granulometry	S1 Fine	UNI EN ISO 787-7	$< 100 \mu$
Opacity	Class 1 ($4 \text{ m}^2 / \text{l}$)	UNI EN ISO 6504-3	$\geq 99.5\%$
Brilliance	Very matt	EN ISO 2813	Gloss < 5
Solids by weight		Internal PF25	$66\% \pm 2$
Drying		(Internal PF2)	Overlapping: 4-6 h Complete: 5 days
Mould resistance			EXCELLENT

SPECIFICATIONS

	VALUE	METHOD
Specific Weight	$1,400 \pm 0.05 \text{ kg/l}$	Internal PF3

STORAGE

The product is stable 1 year if stored in the original containers at a temperature between $+5^\circ\text{C}$ and $+30^\circ\text{C}$.

COLOURS

White AC16.
Only light colours from the Tucano colour chart containing inorganic (oxide-based) pigments can be reproduced. The colours can be produced with the Arreghini Colors 16 system. Between one production run and the next, the colour shade may differ slightly, so it is necessary to finish the job with the same production run.

APPLICATION

CAPCLEAN ACTIVE is suitable for the decoration and protection from atmospheric agents of new buildings or those undergoing maintenance, based on alkaline substrates such as plasters of various compositions (cementitious, lime-based, premixed, skim coat), and fibre cement, in rural, marine or industrial atmospheres. It is ideal for structures located in high traffic areas where smog, dust and gases spoil the aesthetics of facades and deteriorate air quality.

TECHNICAL DATA SHEET

CAPCLEAN ACTIVE

Self-cleaning, anti-mould, algae-resistant, photocatalytic waterbased paint for exteriors

TOOLS Roller, brush, airless spray

DILUTION Roller, brush. 15-30% by volume with water.
Airless spraying: 0-10% by volume with water.
Clean tools with water.

YIELD 8-10 m² /l per layer

APPLICATION TEMPERATURE +5 °C +30 °C

SYSTEMS OF PAINTING **New surfaces of cement plaster, cement-lime mortar plaster**

Preparation

Clean the substrate by hydro-washing it of all impurities such as dirt, moss, mould, jet release agents. Apply a layer of Murisol or Murisol W.

Application

After 5-8 hours, apply two coats of *Capclean Active* with 4-6 hours between each coat

Maintenance on old paintwork

Preparation

Remove loose paint, efflorescence or other loose residues or crumbling material with brushes and scrapers and wash with high-pressure cleaner. Restore any missing parts of plaster with K29 if the repairs are small, otherwise, for large thicknesses, use skim coat 50 or 501.

Application

After 14 days, apply two coats of *Capclean Active* at 4-6 h intervals between each coat

Maintenance on old paint polluted by mould

Preparation

Remove loose paint, efflorescence or other loose residues or crumbling material with brushes and scrapers and wash with high-pressure cleaner. Restore any missing plaster with K29 if the repairs are small, otherwise, for large thicknesses, use skim coat 50 or 501. Treat the surface with B1. After 4-6 h, apply a coat of Murisol or Murisol W.

Application

After 5-8 hours, apply two coats of *Capclean Active* at 4-6 h intervals between each coat.

Maintenance on thick coatings

Preparation

Use brushes and scrapers to remove any loose coatings, efflorescence or other loose residues or crumbling material and wash with high-pressure cleaner. Restore any parts of the coating with missing thickness.

Application

Apply two coats of *Capclean Active* at 4-6 h intervals between each coat.

TECHNICAL DATA SHEET CAPCLEAN ACTIVE

Self-cleaning, anti-mould, algae-resistant, photocatalytic waterbased paint for exteriors

SPECIFICATION ITEM

Water-based, matt anti-mould and anti-algae siloxane finish for exteriors, photocatalytic with self-cleaning and anti-pollution properties, with low resistance to vapour diffusion and matt appearance, to be applied on a surface treated with a suitable primer with an average consumption of 220 ml/m².

WARNINGS

In order to carry out the work in a workmanlike manner, it is essential to follow the surface preparation instructions contained in the CAP Arreghini book. The specification data were determined at +23°C with 65% relative room humidity. Under different conditions, the data and times between operations vary. The technical information contained herein is indicative only. Due to the enormous variety of substrates and application conditions, it is advisable to check the suitability of the product for use and its effectiveness through tests carried out on the specific application.