



Silancolor AC Pittura Plus

Acryl-siloxane paint for the hygiene of walls in internal and external applications



WATER REPELLENT

MOULD AND ALGAE RESISTANT

WHERE TO USE

Painting new, old or already painted surfaces, even when particularly exposed to the degrading action of algae, moulds or fungi.

It gives long lasting protection against air pollutants and in severe weather conditions, giving the surface a pleasant, uniform smooth and matt finish.

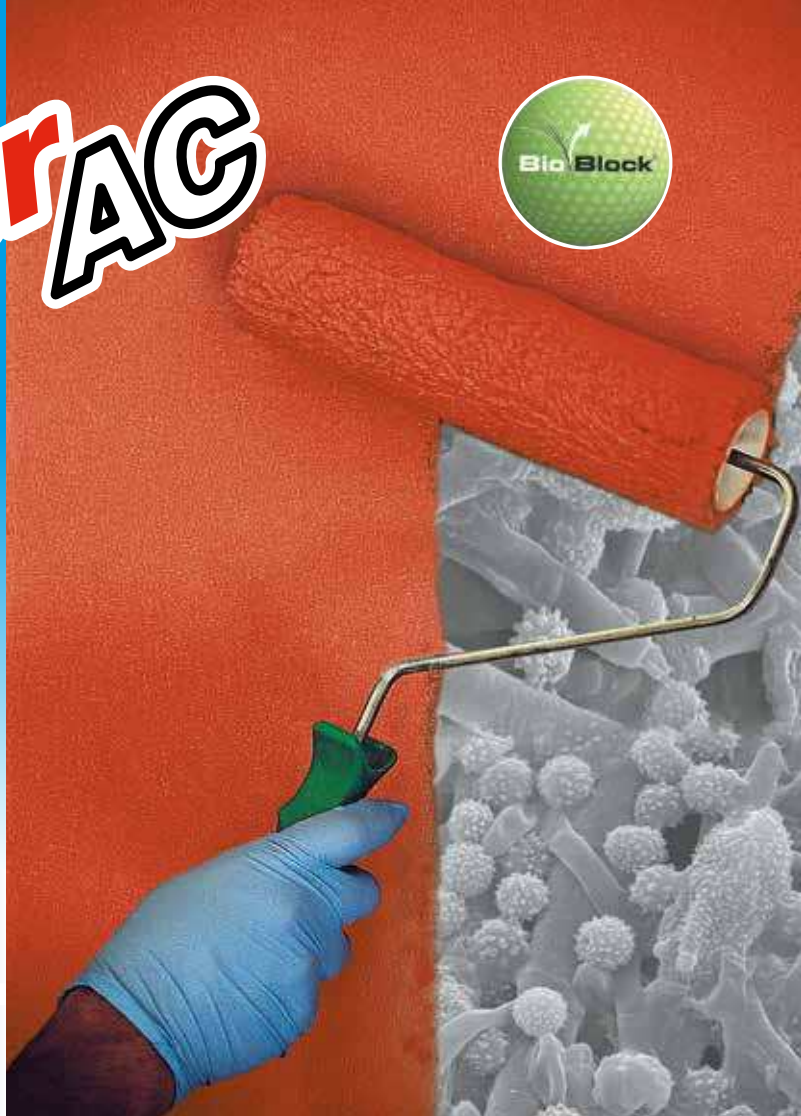
Some application examples

- Painting new and well-cured cementitious or lime based renders, as long as well adherent and not powdery.
- Painting over old paints, synthetic or mineral coatings, also if applied on exterior thermal insulation systems, as long as well adherent and with no hairline cracks.
- Painting north-facing façades or walls damaged by algae and mould.

TECHNICAL CHARACTERISTICS

Silancolor AC Pittura Plus is an acryl-siloxane wall paint for exteriors and interiors which combines the advantages of mineral siloxane based paints with acrylic based paints giving the substrate good water vapour permeability and water repellent properties as well as excellent protection against UV rays. Thanks to its special formulation resistant to algae, mould and fungi, it can be used to paint walls which are already contaminated by microbial growth, after a preliminary removal and cleaning of the surfaces; it can also be used as precautionary measure to paint building situated in very humid environments conducive to mould and algae spread.

Silancolor AC Pittura Plus is resistant to all types of



TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
Consistency:	thick liquid	
Colour:	white, in colours from the MAPEI colour chart range or in various colours obtained using the ColorMap® automatic tinting system	
Density (EN ISO 2811-1) (g/cm³):	approx. 1.55	
Dry solids content by weight (EN ISO 3251) (%):	approx.. 66	
APPLICATION DATA		
Dilution rate:	10-15% of water	
Waiting time between each coat:	12-24 hours according to humidity and temperature conditions, and in any case, only when the previous layer is completely dry	
Application temperature range:	from +5°C to +35°C	
Consumption (kg/m²):	0.3-0.4 (in two coats)	
FINAL PERFORMANCE		
VOC content of ready-mixed product (white) (European Directive 2004/42/EC) (g/l):	≤ 5	
VOC content of ready-mixed product (coloured) (European Directive 2004/42/EC) (g/l):	≤ 28	
Change in colour after 1,000 hours exposure of various colours to a Weather-Ometer (average ΔE) (ASTM G 155 cycle 1):	< 1.5	
Vapour diffusion resistance coefficient μ (EN ISO 7783):	1,400	
Resistance to the passage of vapour of a 0.1 mm thick dry layer S _D (EN ISO 7783) (m):	0.14	
Capillary action water absorption coefficient W (EN 1062-3) [kg/(m²·h ^{0.5})]:	0.15	
RESISTANCE TO BIOLOGICAL ATTACK (I.M.S.L. test report)		
Applicable standard	Test	Results
EN 15457	resistance to mould and fungi	no growth
EN 15458	resistance to algae	no growth

climatic conditions, pollution, saltiness and sunlight aggressions forming a long-lasting hard-wearing layer.

Silancolor AC Pittura Plus contains a specific product to control mould and algae.

Silancolor AC Pittura Plus when used in a cycle with **Silancolor Primer Plus** and, where necessary, with **Silancolor Cleaner Plus**, forms a complete efficient protective system, which is able to grant a durable protection of the surfaces.

Silancolor AC Pittura Plus bonds perfectly to all types of renders and to old, well adherent paints.

Silancolor AC Pittura Plus gives the surface a pleasant, even, smooth and matt finish and it is available in a wide range of colours obtained with **ColorMap®** automatic tinting system.

RECOMMENDATIONS

- Do not apply **Silancolor AC Pittura Plus** directly on surfaces which are infested by algae, mould or fungi. which must always be removed with **Silancolor Cleaner Plus**. Then treat the substrate with **Silancolor Primer Plus** or **Silancolor Base Coat Plus**, before applying **Silancolor AC Pittura Plus**.
- Do not apply **Silancolor AC Pittura Plus** when rain is imminent or with windy weather.
- Do not apply **Silancolor AC Pittura Plus** if temperatures are below +5°C or higher than +35°C (in any case the substrate must be dry and not under direct sunlight).
- Do not apply **Silancolor AC Pittura Plus** when humidity is higher than 85%.
- Do not apply **Silancolor AC Pittura Plus** on dehumidifying renders.
- Please refer to the "Safety instructions for preparation and application" section.

APPLICATION PROCEDURE

Preparation of the substrate

New surfaces or areas restored with repair mortars must be well cured, perfectly clean, cohesive and dry.

Remove all traces of oil and grease from the surface and any loose or flaking material. Existing algae, mould and fungi must be removed while damp, that is after washing the surface with **Silancolor Cleaner Plus**. **Silancolor Cleaner Plus** must be applied on the entire surface with a low pressure, manual spray gun or with a brush. Let the product penetrate into the surface and wait for a few minutes while the cleaning action takes place. Remove algae, mould and fungi with a brush. Repeat this operation a few times applying **Silancolor Cleaner Plus** continuously to help it penetrate deeply. Seal any cracks and repair deteriorated areas. Seal the porosity and smooth uneven areas with mortars and smoothing renders from the MAPEI Building Line.

Apply **Silancolor Primer Plus** or **Silancolor Base Coat Plus** on the dry, cured substrate and after 12-24 hours apply **Silancolor AC Pittura Plus**.

Preparation of the product

Dilute **Silancolor AC Pittura Plus** with 10-15% of water, ensuring that the product is thoroughly mixed using a low speed drill.

When preparing only partial quantities, we recommend mixing undiluted **Silancolor AC Pittura Plus** before pouring the required quantity off the original bucket.

Application of the product

Apply **Silancolor AC Pittura Plus** by brush, roller or spray on a dry coat of **Silancolor Primer Plus** or **Silancolor Base Coat Plus**.

The complete protection cycle comprises the application of at least two coats of **Silancolor AC Pittura Plus** at 12-24 hours between each coat according to humidity and temperature conditions, and in any case, only when the previous layer is completely dry

Cleaning

Brushes, rollers and other tools used to apply **Silancolor AC Pittura Plus** may be cleaned with water before the product dries.

CONSUMPTION

Consumption is heavily influenced by the absorption and roughness of the substrate, by the colour of the paint applied and according to the application technique used. At standard conditions consumption rate is generally about 0.3-0.4 kg/m² (for two coats of product).

PACKAGING

Silancolor AC Pittura Plus is supplied in 20 kg plastic buckets.

STORAGE

24 months if stored in a dry place, sheltered from heat sources at temperatures between +5°C and +30°C. Protect from frost.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Silancolor AC Pittura Plus is hazardous for aquatic life. Do not dispose of this product in the environment. During use wear protective gloves and goggles and take the usual precautions for handling chemicals. If the product comes in contact with the eyes or skin, wash immediately with plenty of water and seek medical attention. In close areas, ensure good ventilation during and after application and drying.

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In

Silancolor
Pittura Plus **AC**



every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.com.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

All relevant references for the product are available upon request and from www.mapei.com



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