



Silancolor AC Tonachino

Acrylic-siloxane plaster
for internal and external
application



WATER-REPELLENT

HIGH FILLING PROPERTIES

WHERE TO USE

For coating all new, old or painted surfaces to give a water-repellent, vapour-permeable, rustic finish with long-lasting protection against aggressive environments and sunlight.

Some application examples

- Decorating and protecting all new and well-cured cementitious or lime-based renders which are cohesive, well-attached and which are not crumbly.
- Decorating and protecting insulation cladding systems.
- Covering old paint and old plastic or mineral coatings which are well attached to the substrate.
- Covering old plastic or mineral coatings applied on thermal cladding systems which are well-attached to the substrate with no cracks or crazing.

TECHNICAL CHARACTERISTICS

Silancolor AC Tonachino is a fibre-reinforced, acrylic-siloxane resin-based coating in water dispersion which offers the combined advantages of mineral coatings and synthetic coatings. Thanks to its special formulation, it makes substrates water-repellent and vapour-permeable and it also offers excellent protection against UV rays.

Silancolor AC Tonachino contains synthetic fibres for good crack resistance.

Silancolor AC Tonachino bonds perfectly to all types of conventional render and to old, well-bonded paintwork.



Silancolor AC Tonachino is resistant to all types of climatic conditions, aggression from smog, saltwater and sunlight and forms a hard-wearing, protective layer on substrates which resists to the rigours of time.

Silancolor AC Tonachino gives the substrate an attractive rustic finish and is available in a wide range of colours obtained using the **ColorMap®** automatic colouring system.

Silancolor AC Tonachino complies with the requirements of EN 15824 ("Specifications for external renders and internal plasters based on organic binders") for internal and external use.

RECOMMENDATIONS

- Do not apply **Silancolor AC Tonachino** on damp substrates, or on substrates which are not well cured.
- Do not apply **Silancolor AC Tonachino** if the temperature is lower than +5°C or higher than +35°C.
- Do not apply **Silancolor AC Tonachino** if the humidity level is higher than 85%.
- Do not apply **Silancolor AC Tonachino** if it is about to rain, in windy weather or if there is direct sunlight.
- Do not apply **Silancolor AC Tonachino** for decorating de-humidifying render.
- Please refer to the "Safety instructions for preparation and application" section.

APPLICATION PROCEDURE

Preparation of the substrate

New surfaces requiring treatment or areas patched up with repair mortar must be well-cured, perfectly clean, cohesive and dry.

Remove all traces of oil and grease from the surface and any parts which are not well attached.

Seal all cracks and repair areas which are deteriorated.

Seal porosity and even out the surface of the substrate with mortar and skimming compound from the MAPEI Building Products range.

Apply **Silancolor Primer** or **Silancolor Base Coat** and leave it to dry for 12-24 hours before applying **Silancolor AC Tonachino**.

Preparation of the product

Silancolor AC Tonachino is ready to use once it has been well mixed with a low-speed drill. If the product is too viscous, add 1-2% of water.

Application of the product

Apply **Silancolor AC Tonachino** using a stainless or plastic trowel on a dry coat of **Silancolor Base Coat** or **Silancolor Primer**.

It can be also applied by spray, with suitable tools.

The protection cycle requires the application of one coat of **Silancolor AC Tonachino Plus**. Spread the product in a uniform layer levelling the product with a plastic trowel to create an even finish or using a damp sponge float to obtain the desired final effect. According to the Tonachino's grain size and the roughness of the substrate, the application can be carried out in two layers, to reach a perfectly homogeneous finish.

Cleaning

Tools used to apply **Silancolor AC Tonachino** may be cleaned with water before it dries.

CONSUMPTION

Consumption is heavily influenced by the absorption and roughness of the substrate. For even substrates, consumption is generally 1.9-2.3 kg/m².

PACKAGING

Silancolor AC Tonachino is supplied in 20 kg plastic drums.

STORAGE

24 months if stored in a dry place away from sources of heat at a temperature of between +5°C and +30°C. Protect from freezing weather.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Silancolor AC Tonachino is not considered hazardous according to current norms and guidelines regarding the classification of mixtures. It is recommended to wear protective gloves and goggles and to take the usual precautions for handling chemical products. If the product is applied in closed environments, make sure the area is well ventilated.

For further and complete information about the safe use of our product please refer to the latest version of our 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 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

TECHNICAL DATA (typical values)

Complies with the following standard:

- product certified according to EN 15824 (Specifications for external renders and internal plasters based on organic binders), system 3 (also for applications subject to reaction to fire regulations).
- type according to EN 15824: water-based product for internal and external use

PRODUCT IDENTITY

Consistency:	paste
Colour:	white, in colours from the MAPEI colour chart range or in various colours obtained using the ColorMap ® automatic colouring system
Density (EN ISO 2811-1) (g/cm³):	approx. 1.7
Dry solids content (EN ISO 3251) (%):	approx. 80
Grain size:	1.2 mm

APPLICATION DATA

Dilution rate:	ready-to-use
Recoat time:	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):	1.9-2.3

FINAL PERFORMANCE

VOC content of ready-mixed product (white) (European Directive 2004/42/EC) (g/l):	≤ 20
VOC content of ready-mixed product (coloured) (European Directive 2004/42/EC) (g/l):	≤ 30
Change in colour after 1,000 hours exposure of various colours to a Weather-Ometer (average ΔE):	< 1.5

Silancolor AC Tonachino follows the Künzel theory (DIN 18550) being $S_D \times W < 0.1$, $S_D \leq 2$ and $W \leq 0.5$

PERFORMANCE CHARACTERISTICS FOR CE CERTIFICATION ACCORDING TO EN 15824 TEXTURED COATINGS FOR INTERNAL AND EXTERNAL USE BASED ON ORGANIC BINDERS

Standard	Test	RESULTS AND COMPLIANCE WITH THE REQUIREMENTS	
		Grain sizes	1.2 mm
EN ISO 7783	water vapour permeability	S_D (m)	0.11
		consumption related to S_D (kg/m ²)	2.3
		result/class	V1 ($S_D < 0.14$ m)
EN 1062-3	water absorption	w [kg/(m ² ·h ^{0.5})]	0.05
		result/class	W3 (w ≤ 0.1 kg/(m²·h^{0.5}))
EN 1542	adhesion	adhesion (N/mm ²)	2.63
		type of breaking	A/B
		result/class	complying (≥ 0.3 MPa)
EN 13687-3	durability	number of cycles	20
		final adhesion (N/mm ²)	2.62
		type of breaking	A
		alterations	no
		result/class	complying (≥ 0.3 MPa)
EN 1745	thermal conductivity	result/class	0.89 W/mK (tab value, P = 90%, related to the reference dry density of 1800 kg/m ³)
EN 13501-1	reaction to fire	result/class	A2-s1,d0

Silancolor
Tonachino **AC**



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

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