



MAPEI

Silancolor Tonachino

0.7 mm; 1.2 mm; 1.5 mm; 2.0 mm

Trowelable silicone resin based paste coating in water dispersion with high vapour permeability and water repellent effect, for exterior applications



WHERE TO USE

Silicone resin based plaster in paste form available in different grain sizes for “rustic” effect exterior finishings, suitable for walls requiring attractive finishing, excellent water-repellence and vapour permeability.

Some application examples

- Decoration of cement or lime based renders.
- Decoration of **Mape-Antique**-based renders.
- Decoration of dehumidifying renders.
- Coating of existing paint (after a preventive trial).

TECHNICAL CHARACTERISTICS

Silancolor Tonachino is a silicone resin-based coat that has the advantages of both mineral-based coats (high vapour permeability such as **Silexcolor Tonachino**) and synthetic based coats (uniform colour tone, excellent adhesion on existing paints that are well bonded to the substrate and a wide range of colours). Thanks to its special formula, **Silancolor Tonachino** makes the substrate very permeable to water vapour and considerably water repellent. Unlike normal synthetic coatings, **Silancolor Tonachino** does not create a film that is waterproof to water vapour because it creates a porous film and, at the same time, the use of special silicone resins does not let liquid water penetrate, ensuring the render remains dry.

Silancolor Tonachino adheres perfectly onto all types of traditional renders, dehumidifiers and well bonded

existing paints. Due to its water repellent nature, it protects the substrate from chemical aggression, does not dirty easily, has excellent resistance if exposed to U.V rays and aging, retaining its properties during the years.

Silancolor Tonachino does not only protect the surface, but has a very pleasant rustic appearance. Apart from the colours available from the “Colour choice” colour chart, **Silancolor Tonachino** is also available in a wide range of colours obtained using the **ColorMap®** automatic colouring system.

Always apply a coat of **Silancolor Primer** or **Silancolor Base Coat** before applying **Silancolor Tonachino**. When applying on well bonded existing paint, check the absorbency before deciding if the application of **Silancolor Primer** or **Silancolor Base Coat** is necessary.

RECOMMENDATIONS

- Do not apply **Silancolor Tonachino** on damp substrates, or on substrates which are not well cured.
- Do not apply **Silancolor Tonachino** at temperatures lower than +10°C.
- Do not apply **Silancolor Tonachino** if the humidity level is higher than 85%.
- Do not apply **Silancolor Tonachino** if it is about to rain, in windy weather or if there is direct sunlight.



TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Colour:	white, colour range or colours that can be obtained with the ColorMap® colour system
Aspect:	paste
Density (g/cm³):	1.69-1.95 (depending on grain size)
Dry solids content (%):	approx. 80
Viscosity (mPa·s):	60,000-80,000 (dependant on the grain size)
Storage:	24 months in original packaging in a dry place
Hazard classification according to EC 1999/45:	none. Before using refer to the "Safety instructions for preparation and application" paragraph and the information on the packaging and Safety Data Sheet
Grain size:	0.7 mm; 1.2 mm; 1.5 mm; 2.0 mm
APPLICATION DATA (at +23°C - 50% U.R.)	
Preparation:	ready-to-use
Application:	stainless steel or plastic trowel
Consumption (kg/m²):	2.0-3.5 (according to grain size)
Drying:	in air
Painting:	12-24 h
FINAL PERFORMANCES	
Water vapour diffusion (μ) (DIN 52615):	178
Water vapour diffusion resistance of 1.5 mm coating layer, equivalent air layer thickness, (Sd) (DIN 52615) (m):	0.267
Liquid water transmission rate (W) (DIN 52617) [kg/(m²·h ^{0.5})]:	0.12
Sd x W = 0.267 x 0.12 [kg/(m·h ^{0.5})]:	0.032 Silancolor Tonachino is according to Kuenzle Theory (DIN 18550) because the value of Sd x W is less than 0.1

- Please refer to the “Safety instructions for preparation and application” section.

APPLICATION PROCEDURE

Preparing the substrate

New surfaces to be treated or any renovation with repair mortars must be cured, perfectly clean, well bonded and dry. Completely remove any traces of oils or grease from the surfaces and any loose particles.

Seal cracks and repair damaged parts. Seal pores and level any uneven parts of the substrate with mortars and finishing compounds from the MAPEI Building line.

Apply **Silancolor Primer** (ready-to-use) or **Silancolor Base Coat**. After 12-24 hours apply **Silancolor Tonachino**.

To make it easier to apply 1.2 mm, 1.5 mm and 2.0 mm grain size **Silancolor Tonachino** and to improve its covering properties, **Silancolor Primer** may be applied after diluting it with 30-50% of **Silancolor Paint** of the same colour of **Silancolor Tonachino**, or with a similar coloured coat of **Silancolor Base Coat**.

Painted surfaces must be clean and well bonded to the substrate. If the paint is very old and/or porous, apply **Silancolor Primer** or **Silancolor Base Coat**.

If the paint is well bonded and not very porous, apply **Silancolor Tonachino** directly.

Preparing the product

Silancolor Tonachino is ready-to-use, but must first be stirred thoroughly with a low speed mixing drill.

Applying the product

Apply **Silancolor Tonachino** with a stainless steel or plastic float on the dried **Silancolor Primer**.

The protection cycle requires one coat of **Silancolor Tonachino**. If a more even finish is required, apply a smoothing layer followed by a second layer after 24 hours. In both cases make sure the product is evenly distributed using a wet plastic float for an even effect or a wet sponge depending on the desired effect.

A number of effects may be obtained using **Silancolor Tonachino** (such as mottled finish, brushed finish, bass-relief finish, etc.) as illustrated in the “MAPEI colours in design” pamphlet.

Cleaning

The equipment used for application can be cleaned with water before **Silancolor Tonachino** dries.

CONSUMPTION DEPENDANT TO GRAIN SIZE

- **Silancolor Tonachino** 0.7 mm: 2.0-2.5 kg/m² for a complete cycle;
- **Silancolor Tonachino** 1.2 mm: 2.5-3.0 kg/m² for a complete cycle;
- **Silancolor Tonachino** 1.5 mm: 2.5-3.0 kg/m² for a complete cycle;
- **Silancolor Tonachino** 2.0 mm: 3.0-3.5 kg/m² for a complete cycle.

For all versions, consumption is greatly influenced by the roughness of the substrate.

PACKAGING

Silancolor Tonachino is supplied in 20 kg plastic buckets.

STORAGE

24 months if stored in a dry place, far from heat sources and at a temperature between +5°C and +30°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Silancolor Tonachino is not hazardous according to the ruling norms on 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 a closed area, make sure that it is well ventilated. The Safety Data Sheet is available upon request.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this 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 applications: 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.

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

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