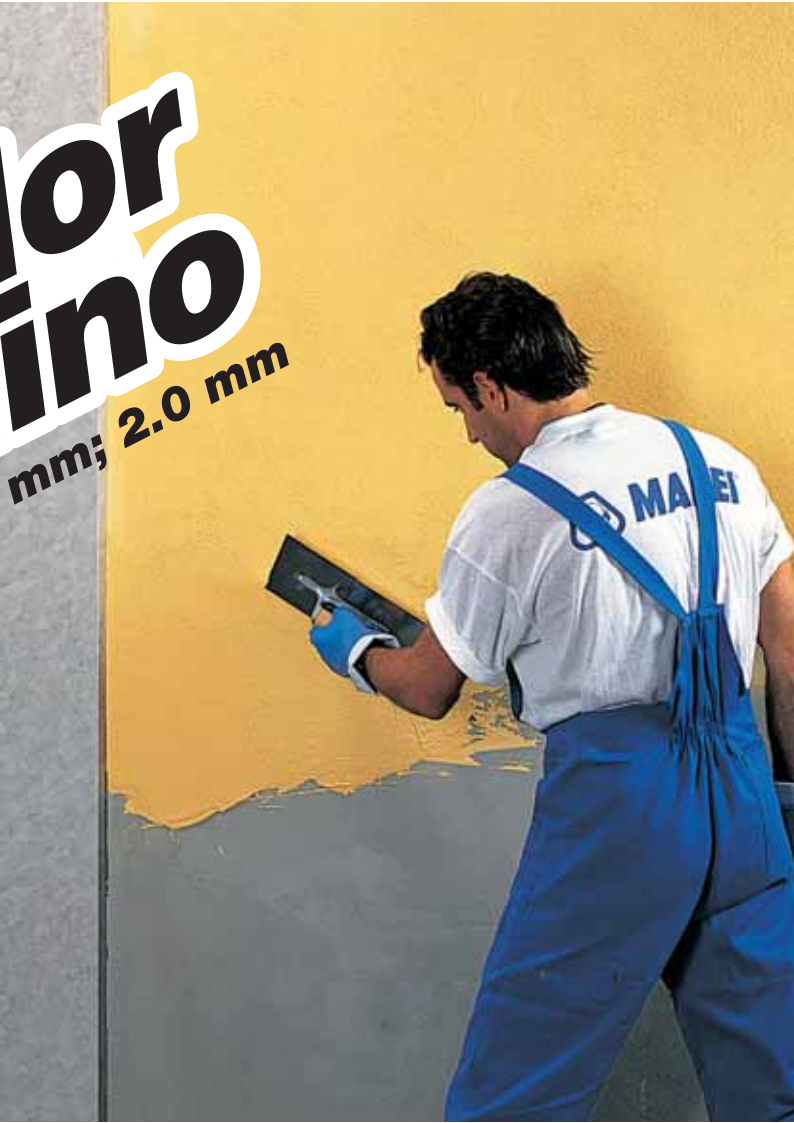




Silexcolor Tonachino

0.7 mm; 1.2 mm; 1.5 mm; 2.0 mm

**Trowelable, protective,
decorative and vapour
permeable silicate
mineral paste coating,
for interior and exterior
applications**



WHERE TO USE

Modified potassium silicate mineral plaster in paste form available in different grain sizes for interior and exterior finishings with a “rustic” effect.

The product protects renders while remaining permeable to water vapour and gives the substrate an attractive finish.

Some application examples

- Decoration of Mape-Antique-based renders.
- Decoration of lime and cement based renders.
- Decoration of dehumidifying renders.

TECHNICAL CHARACTERISTICS

Silexcolor Tonachino is a one-component, modified potassium-silicate based coating, with selected fillers and pigments which are resistant to natural light, applied on internal and external vertical surfaces. Once the silicatisation reaction has been completed, **Silexcolor Tonachino** forms a single body with the substrate and covers defects, without modifying its permeability.

Silexcolor Tonachino has excellent resistance to ageing, freezing weather conditions and de-icing salts, and it is very difficult for dirt to remain attached to the surface.

Apart from the colours available from the “Colour choice” colour chart, **Silexcolor Tonachino** is also available in a wide range of colours obtained using the **ColorMap®** automatic colouring system.

Silexcolor Tonachino must always be applied on substrates treated beforehand with **Silexcolor Primer** or **Silexcolor Base Coat**. If there is a high saline concentration and/or rising damp, only use **Silexcolor Primer**.

RECOMMENDATIONS

- Do not apply **Silexcolor Tonachino** on wet or insufficiently cured substrates.
- Do not apply **Silexcolor Tonachino** on substrates treated with old paints.
- Do not apply **Silexcolor Tonachino** on substrates exposed to direct sunlight or strong wind.
- Do not apply **Silexcolor Tonachino** at temperatures below +10°C and above +30°C.
- Do not apply **Silexcolor Tonachino** when the humidity is higher than 85%.
- Do not apply **Silexcolor Tonachino** on the same façade at different time intervals.
- See “Safety instructions for the preparation and application” paragraph.

Silexcolor Tonachino



Applying
Silexcolor Tonachino
with a trowel



Smoothing
Silexcolor Tonachino
with a sponge float



TECHNICAL DATA (typical values) In compliance with the norm: DIN 18363	
PRODUCT IDENTITY	
Colour:	available in a wide range of colour tones that can be obtained with ColorMap® automatic colouring system
Appearance:	paste
Density (g/cm³):	1.65-1.95 (depending on grain size)
Dry solids content (%):	ca. 80
Viscosity (mPa-s):	60,000-80,000 (dependant on to the grain size)
Storage:	12 months in original packaging and in a dry place
Hazard classification according to EC 1999/45:	none. Before using refer to the "Safety instructions for the preparation and application" paragraph and the information on the packing and Safety Data Sheet
Grain size:	0.7 mm; 1.2 mm; 1.5 mm; 2.0 mm
COMPOSITION AND PROPERTIES OF THE MIXTURE (at +23°C – 50% R.H.)	
Preparation:	ready-to-use
Application:	with a flat metal trowel, stainless steel or plastic trowel
Drying:	in air
Dust drying:	20-30 min. in air
Ready for painting:	12-24 h
FINAL PERFORMANCES	
Resistance to water vapour diffusion factor (μ) (DIN 52615):	39
Resistance of water vapour diffusion of 1.5 mm thick layer as meter thick layer of air (Sd) (DIN 52615) (m):	0.059
Determination of water absorption coefficient through capillaries (W) (DIN 52617) [kg/(m²·h ^{0.5})]:	0.09
Sd x W = 0.059 x 0.09 [kg/(m·h ^{0.5})]:	0.005 The S d x W value is lower than 0.1 therefore Silexcolor Tonachino follows the Kuenzle theory

- Cover adjacent areas that are not to be coated (windows, doors, tiles, etc.).
- Do not use uncoated metal or glass containers when transferring the product from one container to another.

APPLICATION PROCEDURE

Preparing the substrate

Surfaces to be treated must be thoroughly clean, sound and dry.

Remove all loose material, dirt, traces of form release agents or paint by sanding, high pressure sand blasting or high pressure washing.

Seal all cracks and repair deteriorated areas. Seal porosity and even out the surface of the substrate with mortar and smoothing compounds from the building products range.

Apply **Silexcolor Primer** and **Silexcolor Base Coat** and wait 12 to 24 hours before applying **Silexcolor Tonachino**.

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

Preparing the product

Silexcolor Tonachino is ready-to-use.

If it is slightly thick, add 3-5% of

Silexcolor Primer and mix the product with a low speed drill fitted with a whip to avoid entrapped air. Mix until the paste is completely uniform.

Applying the product

Apply an even coat of **Silexcolor Tonachino** with a flat metal trowel or a stainless steel or plastic float.

The protection cycle also includes the application of a coat of **Silexcolor Tonachino**. Dependant on to the grain size of **Silexcolor Tonachino** and the roughness of the substrate, two coats may be applied to form a perfectly even finish.

Apply an initial layer of smoothing compound, followed by a second layer after 24 hours. Make sure that both layers are spread on evenly, and then finished off with either a plastic float to create an even finish, or a damp sponge float dependant to the finish required.

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

Cleaning

Tools can be cleaned with water before the product dries.

CONSUMPTION DEPENDANT ON GRAIN SIZE

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

20 kg buckets.

STORAGE

Protect from frost: the product has a shelf life of 12 months if stored at temperatures between +5°C and +30°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Silexcolor 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.



An example of an application of Silexcolor Tonachino - Rosa Residence Apartments - Gallipoli (Lecce) - Italy



An example of an application of Silexcolor Tonachino. Nursery School - Porta Venezia Gardens (Milan) - Italy

Silexcolor Tonachino



WARNING

While the indications and guidelines contained in this data sheet correspond to the company's knowledge and wide experience, they must be considered, under all circumstances, merely as an indication and subject to confirmation only after long-term, practical applications. Therefore, anybody who undertakes to use this product, must ensure beforehand that

it is suitable for the intended application and, in all cases, the user is to be held responsible for any consequences deriving from its use.

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

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