

SILEXCOLOR MARMORINO

Silicate-based marble plaster for internal and external application

HIGHLY DECORATIVE

CHEMICAL RESISTANCE



WHERE TO USE

Modified potassium silicate based mineral coating in paste form for interior and exterior finishings. The product gives the substrate an attractive antique finishing, typical of marbles. It protects substrates allowing permeability.

Some application examples

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

TECHNICAL CHARACTERISTICS

Silexcolor Marmorino can only be applied on substrates that have not been painted and that have been previously treated with **Silexcolor Primer**. It forms a single body with the substrate without altering its permeability and is not influenced by adverse weather conditions, for example acid rain. Apart from the 10 colours in the **Marmorino Silexcolor** colour chart, it is also available in a wide range of other colours (created using the **ColorMap®** automatic colouring system).

SILEXCOLOR PRIMER

- Is a modified silicate fixative in water solution specially formulated for making substrates uniformly absorbent before using **Silexcolor Marmorino**.
- Penetrates deeply into absorbent substrates without altering vapour-permeability.
- Provides excellent insulation and adhesion to the **Silexcolor Marmorino** applied over it, facilitating the silicatisation process.
- **Silexcolor Primer** can be painted over when completely dry, i.e. after at least 12 hours at +20°C.

SILEXCOLOR MARMORINO

- Single component, modified potassium silicate-based dressing material with graded additives and light-resistant pigments, suitable for both internal and external vertical surfaces.
- After silicatisation, the product forms a single body with the substrate and maintains a high permeability to vapour.
- This product is recommended for use in those applications where a highly attractive finish (which is velvety to the touch) is required on the substrate.

RECOMMENDATIONS

- Do not apply **Silexcolor Marmorino** on wet or insufficiently cured substrates.
- Do not apply **Silexcolor Marmorino** on painted substrates.
- Do not apply **Silexcolor Marmorino** on substrates exposed to direct sunlight or strong wind.

- Do not apply **Silexcolor Marmorino** at temperatures lower than +10°C or higher than +30°C.
- Do not apply **Silexcolor Marmorino** when the humidity is higher than 85%.
- Do not apply **Silexcolor Marmorino** on the same façade at different intervals.
- Use protective glasses and gloves while applying **Silexcolor Marmorino**.
- Do not use uncoated metal or glass containers when transferring the product from one container to another.
- Before applying the product, use masking tape to protect the adjacent areas which are not to be painted (window fittings, glass, tiles, etc.).

APPLICATION PROCEDURE

Substrate preparation

Surfaces to be treated must be thoroughly clean, sound and dry. Remove all loose material, dust, traces of form release oils, paints or old paint residue (by sanding).

Uneven surfaces must be flint-glazed and it is recommended to do the same on plaster and/or old paint to help the adhesion of **Silexcolor Marmorino**.

Protect surrounding areas that do not need to be painted (window and door frames, glass and tiles) with adequate protection.

Preparing the product

The product is ready-to-use. If it hardens, add 3-5% **Silexcolor Primer** and mix thoroughly.

Applying the product

Silexcolor Marmorino can be applied by various methods giving different effects.

CLASSIC EFFECT

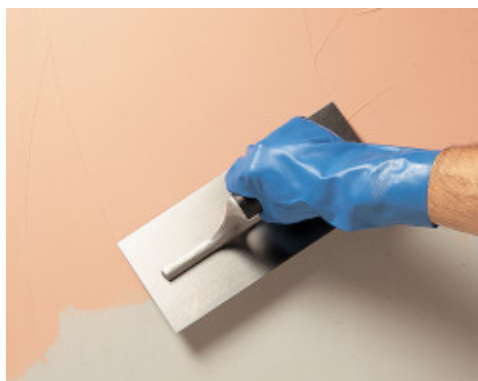
- Make sure that there is no old paint residue and that the substrate is sufficiently smooth, homogeneous and cured.
- Apply **Silexcolor Primer** and, after at least 12 hours, spread a first coat of **Silexcolor Marmorino** using a stainless steel float making semi-circle movements in order to obtain areas with slightly uneven thicknesses.
- When completely dry sand-paper with fine abrasive sand paper then apply a second coat of **Silexcolor Marmorino** and follow same procedure as above.
- Gloss with the edge of a stainless steel float.

“ENCAUSTO” EFFECT

- Make sure there is no old paint residue and that the substrate is sufficiently smooth, homogeneous and cured.
- Apply **Silexcolor Primer** and after at least 12 hours spread a first coat of **Silexcolor Tonachino** of the same colour tone as the finishing colour, making sure to create a homogeneous granulated surface. While drying, apply **Silexcolor Tonachino** with a sponge trowel.
- Apply a thin layer of **Silexcolor Marmorino** with a stainless steel float until a homogeneous surface is obtained, allowing **Silexcolor Tonachino** to shine through.

“VENEZIANO” EFFECT

- Make sure there is no old paint residue and that the substrate is sufficiently smooth, homogeneous and cured.
- Apply **Silexcolor Primer** and after at least 12 hours spread a first coat of **Silexcolor Marmorino** with a stainless steel float in order to obtain an even thickness.
- When completely dry sand-paper with fine grained abrasive sand paper then apply a second coat of **Silexcolor Marmorino** of a different colour (usually of the same tone) with a triangular plaster trowel.
- Repeat the procedure several times always sanding after each coat.
- Gloss with the edge of a stainless steel float.



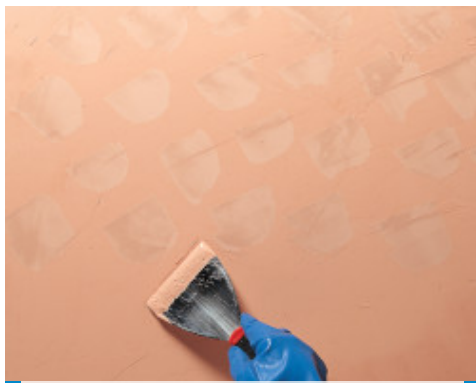
Classic effect: application of first coat of Silexcolor Marmorino with a stainless steel trowel



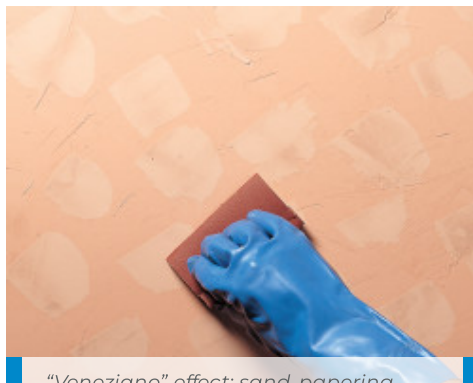
Classic effect: sandpapering of the first coat of Silexcolor Marmorino with a fine grained abrasive sand paper



Classic effect: glossing of Silexcolor Marmorino with edge of a stainless steel float



"Veneziano" effect: application on first coat of Silexcolor Marmorino with a triangular plaster trowel



"Veneziano" effect: sand-papering between different coats of Silexcolor Marmorino with a fine grained abrasive sand paper



"Veneziano" effect: glossing of Silexcolor Marmorino with edge of a stainless steel float



"Encausto" effect: application of Silexcolor Marmorino on Silexcolor Tonachino



"Encausto" effect: sand-papering of Silexcolor Marmorino with a fine grained abrasive sand paper



"Encausto" effect: glossing of Silexcolor Marmorino with edge of a stainless steel float

CLEANING

Tools can be cleaned with water before the product dries.

CONSUMPTION

From 0.8 to 1 kg/m². Consumption can vary greatly, depending on the texture of the substrate or type of effect desired.

PACKAGING

20 kg buckets.

STORAGE

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

SAFETY INSTRUCTIONS FOR THE PREPARATION AND APPLICATION

Silexcolor Marmorino is not hazardous according to the ruling norms on the classification of mixtures. It is recommended to take the usual precautions for handling chemical products.

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

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)
In compliance with the norm: DIN 18363

PRODUCT IDENTITY	
Colour:	white, colour chart or colour tones that can be obtained with ColorMap® automatic colouring system
Appearance:	pasty
Density (g/m ³):	1.610
Dry solid content (%):	67
Viscosity (mPa·s):	95,000-100,000
Storage:	12 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
Customs class:	3209 10 00
COMPOSITION AND PROPERTIES OF THE MIXTURE	
Preparation:	ready-to-use
Application:	with a stainless steel trowel
Drying:	in air
Dust dry:	20-30 min. at +20°C
Ready for painting:	12-24 hours
FINAL PERFORMANCES	
Resistance to water vapour diffusion factor (μ) (DIN 52615):	50
Resistance of water vapour diffusion of 1 mm thick layer as meters thick layer of air (Sd) (DIN 52615) (m):	0.050
Determination of water absorption coefficient through capillaries (W) (DIN 52617) [kg/(m ² ·h ^{0.5})]:	0.110
Sd x W = 0.050 x 0.110 [kg/(m ² ·h ^{0.5})]:	0.006 the Sd x W value is lower than 0.1 therefore Silexcolor Marmorino follows the Kuenzle theory (DIN 18550)

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 web site www.mapei.com

345-9-2011-gb

Any reproduction of texts, photos and illustrations published here is prohibited and subject to prosecution

