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.
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.

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.
TECHNICAL DATA (typical values)

In compliance with the norm: DIN 18363

<table>
<thead>
<tr>
<th>PRODUCT IDENTITY</th>
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<tbody>
<tr>
<td>Colour:</td>
<td>white, colour chart or colour tones that can be obtained with ColorMap® automatic colouring system</td>
</tr>
<tr>
<td>Appearance:</td>
<td>pasty</td>
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<tr>
<td>Density (g/m³):</td>
<td>1.610</td>
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<tr>
<td>Dry solid content (%):</td>
<td>67</td>
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<tr>
<td>Viscosity (mPa-s):</td>
<td>95,000-100,000</td>
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<tr>
<td>Storage:</td>
<td>12 months in original packaging in a dry place</td>
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<tr>
<td>Hazard classification according to EC 1999/45:</td>
<td>none. Before using refer to the “Safety instructions for preparation and application” paragraph and the information on the packaging and Safety Data Sheet</td>
</tr>
<tr>
<td>Customs class:</td>
<td>3209 10 00</td>
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<table>
<thead>
<tr>
<th>COMPOSITION AND PROPERTIES OF THE MIXTURE</th>
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<tbody>
<tr>
<td>Preparation:</td>
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<tr>
<td>Application:</td>
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<tr>
<td>Drying:</td>
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<tr>
<td>Dust dry:</td>
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<tr>
<td>Ready for painting:</td>
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<table>
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<tr>
<th>FINAL PERFORMANCES</th>
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<tbody>
<tr>
<td>Resistance to water vapour diffusion factor (µ) (DIN 52615):</td>
</tr>
<tr>
<td>Resistance of water vapour diffusion of 1 mm thick layer as meters thick layer of air (Sd) (DIN 52615) (m):</td>
</tr>
<tr>
<td>Determination of water absorption coefficient through capillaries (W) (DIN 52617) [kg/(m²·h^{0.5})]:</td>
</tr>
<tr>
<td>Sd x W = 0.050 x 0.110 [kg/(m²·h^{0.5})]:</td>
</tr>
<tr>
<td>the Sd x W value is lower than 0.1 therefore Silexcolor Marmorino follows the Kuenzle theory (DIN 18550)</td>
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“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: sand-papering of Silexcolor Marmorino on Silexcolor Tonachino

“Encausto” effect: glossing of Silexcolor Marmorino with edge of a stainless steel float
• 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.

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.

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

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