



MAPEI

Silexcolor Graffiato

**Silicate plaster with
scratch-effect for internal
and external application**



HIGHLY TRANSPIRANT

EVENS OUT SUBSTRATE DEFECTS

WHERE TO USE

Modified potassium silicate-based plaster available in various grain sizes with a scratch-effect finish for internal and external surfaces.

This product offers good protection to render without altering its permeability characteristics, and gives the surface an attractive scratch-effect finish.

Some application examples

- Decorating **Mape-Antique** and **PoroMap** renders.
- Decorating lime and cement-based renders.
- Decorating de-humidifying renders.

TECHNICAL CHARACTERISTICS

Silexcolor Graffiato is a fibre-reinforced silicate-based plaster available in various grain sizes. It protects the substrate by forming a monolithic body without modifying its permeability properties, and gives the surface an attractive scratch-effect finish.

Silexcolor Graffiato contains synthetic fibres for good crack resistance.

Silexcolor Graffiato bonds perfectly to all types of conventional, lime and cement-based and de-humidifying renders. The chemical composition of the product makes it very difficult for dirt to remain attached. It is also highly resistant to UV rays and ageing, characteristics of the product which remain stable for many years.



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

Silexcolor Graffiato is also suitable for internal applications, if applied directly on lime and cement-based renders.

Silexcolor Graffiato must always be applied on substrates treated beforehand with **Silexcolor Primer** or **Silexcolor Base Coat**.

In the particular case of high saline concentrations and/or rising damp, only **Silexcolor Primer** must be used.

Silexcolor Graffiato 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 **Silexcolor Graffiato** on damp or partially-cured substrates.
- Do not apply **Silexcolor Graffiato** on substrates covered with old paintwork.
- Do not apply if the temperature is less than +8°C or greater than +35°C.
- Do not apply if the humidity is greater than 85%.
- Do not apply **Silexcolor Graffiato** if rain is forecast, on facades exposed to direct sunlight (put sheets on the scaffolding to shade the facades) or in strong winds.
- Do not apply **Silexcolor Graffiato** on the same facade at different times.
- Please refer to the “Safety instructions for preparation and application” section.
- While applying the product, protect adjacent surfaces by masking (windows, fittings, tiles, etc.).

While pouring the product, do not use unlined glass or metal containers.

APPLICATION PROCEDURE

Preparation of the substrate

New surfaces or surfaces patched up with repair mortar must be cured, perfectly clean, sound and dry.

Remove all traces of oil and grease and loose parts from the surface.

Seal any cracks which are present and repair any deteriorated areas.

Seal all porosity and even out imperfections in the substrate with a smoothing mortar and smoothing compounds from the MAPEI Building products range.

Apply **Silexcolor Primer** or **Silexcolor Base Coat** and leave to dry for 12-24 hours

before applying **Silexcolor Graffiato**. To make it easier to apply **Silexcolor Graffiato** and improve its covering properties, the coat of **Silexcolor Primer** may be diluted 30-50% with the same colour of **Silexcolor Paint** as used for the **Silexcolor Graffiato** coat (or a coat of **Silexcolor Base Coat** in the same colour).

Preparation of the product

Silexcolor Graffiato is ready to use, and only requires stirring with a low-speed drill. If the product becomes too thick, add 3-5% of **Silexcolor Primer** and mix as described above.

Application of the product

Apply **Silexcolor Graffiato** using a stainless or plastic trowel on **Silexcolor Primer** or **Silexcolor Base Coat** once dry. The protection cycle includes the application of a coat of **Silexcolor Graffiato**. According to the grain size of the **Silexcolor Graffiato** and the roughness of the substrate, two coats may be applied to obtain a perfectly even finish. A smoothing coat may be applied followed by a second coat after 24 hours. Both coats must be applied evenly, and must then be smoothed over with a plastic float to even out the surface and to get the final pattern required.

Cleaning

Silexcolor Graffiato should be cleaned from trowels and other tools with water before it dries.

CONSUMPTION ACCORDING TO GRAIN SIZE

- **Silexcolor Graffiato** 1.2 mm:
1.9-2.3 kg/m² at work completed;
- **Silexcolor Graffiato** 1.8 mm:
2.4-2.8 kg/m² at work completed.

In both versions, consumption depends largely on the roughness of the substrate.

PACKAGING

Silexcolor Graffiato is supplied in 20 kg plastic drums.

STORAGE

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

Protect from freezing weather.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Silexcolor Graffiato is not considered a hazardous substance according to current standards and regulations regarding the classification of mixtures. However, the use of protective gloves and goggles and the application of the usual precautions taken when handling chemical products are recommended. If the product is applied in a closed area, make sure that it is well ventilated.

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), conformity certification system 3 (also for applications subject to reaction to fire regulations).
- type according to EN 15824: water-based product for internal and external use
- 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):	1.7-1.8 (according to grain size)
Dry solids content (%):	approx. 80
Viscosity (mPa·s):	55,000-75,000 (according to grain size)
Grain size:	1.2 mm; 1.8 mm

APPLICATION DATA

Preparation:	ready-to-use
Application:	stainless or plastic trowel
Consumption:	1.9-2.8 (according on grain size)
Drying:	in open air
Dust drying:	20-30 min. in open air
Ready for painting:	12-24 h

PERFORMANCE CHARACTERISTICS FOR CE CERTIFICATION ACCORDING TO EN 15824-2 TEXTURED COATINGS FOR INTERNAL AND EXTERNAL USE BASED ON ORGANIC BINDERS

Standard	Test	RESULTS AND COMPLIANCE WITH THE REQUIREMENTS		
		Grain sizes	1.2 mm	1.8 mm
EN ISO 7783-2	water vapour permeability	S_D (m)	0.01	0.03
		consumption related to S_D (kg/m ²)	2.3	2.6
		result/class	V1 ($S_D < 0.14$ m)	
EN 1062-3	water absorption	w [kg/(m ² ·h ^{0.5})]	0.11	0.07
		result/class	W2 ($0.1 w \leq 0.5$ [kg/(m²·h^{0.5})])	
EN 1542	adhesion	adhesion (N/mm ²)	0.51	0.81
		type of breaking	A/B	A/B
		result/class		
EN 13687-3	durability	number of cycles	20	20
		final adhesion (N/mm ²)	1.00	1.18
		type of breaking	A/B	A/B
		alterations	no	no
		result/class	complying (≥ 0.3 MPa)	
EN 1745	thermal conductivity	result/class	0.93 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	

The $S_D \times W$ value is lower than 0.1 therefore **Silexcolor Graffiato** follows the Kuenzle theory (DIN 18550)

Sil
color
Graffiato

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 website www.mapei.com

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



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