SILEXCOLOR BASE COAT

Coloured silicate undercoat

EVENS OUT SURFACES AND FILLS DEFECTS

TRANSPIRANT

WHERE TO USE

- Base filling layer, with quartz granules, for de-humidifying render before applying layered finishing materials from the **Silexcolor** range.
- Base layer on old organic paint, including paintwork which is slightly flaky, to help the bonding of coloured finishing products from the **Silexcolor** range.
- Base levelling and filling layer for old render, if not excessively deteriorated or crumbly, before applying layered finishing materials from the **Silexcolor** range.
- Base layer with the same colour as the final layer, to help cover the final layer of paint or layered finishing material in bright, lively colours, which are clean and only offer partial covering.

Some application examples

Silexcolor Base Coat is used to prepare the base layer on cementitious surfaces or **Mape-Antique** and **PoroMap** de-humidifying render before applying the final coloured finishing coat to regulate absorption of the substrate and improve bonding.
Silexcolor Base Coat is indispensable when “scratch-effect” finishes are applied, to avoid the substrate showing through the more transparent part.
Silexcolor Base Coat may be used to even out the surface, by creating an even finish and by covering small imperfections. When applied in white, or in a colour similar to the final coat, it helps to integrate the final coat particularly when bright, lively colours are applied, which do not usually have good covering properties.
Thanks to its special formulation, **Silexcolor Base Coat** improves the final bond of potassium silicate-based finishing products, when applied on old, organic resin-based finishing materials.

TECHNICAL CHARACTERISTICS

Silexcolor Base Coat is a modified potassium silicate-based paint in water dispersion, with micro-granular quartz and selected charges. It is used to even out the absorption of the substrate and promote bonding of successive coats of paint and layered finishing materials from the **Silexcolor** range.
Surfaces treated with **Silexcolor Base Coat** have a uniformly rough finish, which makes it easier to apply layered finishing materials, particularly when applied by trowel. This results in a more even distribution of the finishing material over the entire surface.
Silexcolor Base Coat is available in a wide range of colours, created using the **ColorMap**® automatic colouring system.

RECOMMENDATIONS

- Do not use **Silexcolor Base Coat** on metal surfaces.
- Do not apply **Silexcolor Base Coat** if the temperature is lower than +8°C or higher than +35°C.
- Do not apply **Silexcolor Base Coat** if the humidity is higher than 85%.
- Do not apply **Silexcolor Base Coat** on damp or partially-cured substrates.
- Do not apply **Silexcolor Base Coat** if rain is forecast, in windy weather or under direct sunlight.

· **Silexcolor Base Coat** is not a consolidator and should never be applied on detached surfaces that are not firmly anchored to the substrate.
· 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.
· Please refer to the "Safety instructions for preparation and application" section.

APPLICATION PROCEDURE

Preparation of the substrate

New surfaces or surfaces repaired with touch-up mortar must be cured, perfectly clean, sound and dry.
Remove all traces of oil and grease and parts which are not well-attached from the surface.
Seal any cracks which are present and repair any deteriorated areas.
Seal off the porosity and smooth off any uneven parts in the substrate.

Preparation of the product

Silexcolor Base Coat may be used neat, or diluted with 5-10% water or **Silexcolor Primer**. Make sure that the product is well blended, and use a low speed drill if possible for blending.
If only a part of the product is to be prepared, mix the **Silexcolor Base Coat** in its original container before pouring off the quantity required.

Application of the product

Mix **Silexcolor Base Coat** well before use, and apply it using conventional techniques with a brush, a roller or by spray (air mix).
A single coat of **Silexcolor Base Coat** is usually sufficient to prepare the substrate. However, if the substrate is particularly uneven, a second coat may be required.
Protect from rain for at least 12-24 hours.
Silexcolor Base Coat may be painted over after 12-24 hours.

CLEANING

Clean **Silexcolor Base Coat** from brushes, rollers and spraying equipment (air mix) before it dries with water.

CONSUMPTION

Consumption is heavily influenced by the absorption and the roughness of the substrate and by imperfections on the surface, and according to the application technique used.
Under normal conditions, consumption is generally 0.3-0.5 kg/m² per coat.

PACKAGING

Silexcolor Base Coat is available in 20 kg plastic drums.

STORAGE

12 months if stored in a dry place, away from sources of heat at a temperature of +5°C to +30°C. Protect from frost.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Silexcolor Base Coat is not considered dangerous 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 environment, make sure the room is well ventilated.
For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.
PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values) Conformity with: – DIN 18363	
PRODUCT IDENTITY	
Consistency:	pasty liquid

Colour:	white, from the MAPEI colour chart range or in various colours obtained using the **ColorMap®** automatic colouring system
Density (EN ISO 2811-1) (g/cm³):	approx. 1.60
Dry solids content (EN ISO 3251) (%):	approx. 67
Brookfield viscosity (mPa·s):	approx. 30,000 (rotor 6 - 10 rpm)
APPLICATION DATA	
Dilution ratio:	ready to use or 5-10% of water or **Silexcolor Primer**
Waiting time between each coat:	at least 24 hours under normal humidity and temperature conditions, and in all cases only when the previous layer is completely dry
Application temperature:	from +8°C to +35°C
Consumption (kg/m²):	0.3-0.5 (per coat)
FINAL PERFORMANCES	
VOC content of ready-mixed product (white) (European Directive 2004/42/EC) (g/l):	≤ 20
VOC content of ready-mixed product (coloured) (European Directive 2004/42/EC) (g/l):	≤ 30
Vapour diffusion resistance coefficient (μ) (EN ISO 7783):	149
Resistance to passage of vapour relative to a 0.15 mm-thick dry layer Sd (m) (EN ISO 7783):	0.02
Capillary action water absorption coefficient W_{24} [kg/(m²·h$^{0.5}$)] (EN 1062-3):	0.80

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

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