

339/6.99

# ® SILEXCOLOR

**SILICATE-BASED, WATER-REPELLENT,  
VAPOUR-PERMEABLE PROTECTIVE PAINT  
SYSTEM FOR CEMENT- OR LIME-BASED RENDERS  
IN INTERIORS AND EXTERIORS**

## WHERE TO USE

Painting of porous vertical interior or exterior surfaces where protection against atmospheric agents is required (rain, frost) along with high vapour permeability.

### Typical applications

- Painting of MAPE-ANTIQUÉ renders.
- Painting of cement- or lime-based renders.
- Painting of dehumidifying renders.

## TECHNICAL CHARACTERISTICS

Surfaces to be painted with SILEXCOLOR

must first be treated with SILEXCOLOR PRIMER. SILEXCOLOR PRIMER and SILEXCOLOR form a complete modified silicate-based paint system for interior and exterior vertical surfaces.

### SILEXCOLOR PRIMER:

- is a modified silicate fixative in water solution specifically formulated for making substrates uniformly absorbent before painting with SILEXCOLOR;
- penetrates deeply into absorbent substrates without creating a film or altering vapour-permeability;

- provides excellent insulation and adhesion to the SILEXCOLOR applied over it, facilitating the silicatisation process;
- can be painted over when completely dry, i.e. after at least 12 hours at 20°C.

### SILEXCOLOR:

- is a single component, modified silicate-based paint with selected fillers and pigments that are resistant to natural light for interior and exterior vertical surfaces;
- forms a single body with the substrate after the silicatising reaction, fixing the components, so it does not peel;
- when completely dry, SILEXCOLOR forms a covering that is waterproof but vapour-permeable without forming a film;
- has excellent resistance to ageing, frost and de-icing salts, and repels dirt.

## RECOMMENDATIONS

- Do not use the SILEXCOLOR system to cover small cracks in the substrate.
- Do not apply the SILEXCOLOR system on damp or insufficiently cured substrates.
- Do not apply the SILEXCOLOR system on non-absorbent substrates.
- Do not use the SILEXCOLOR system to paint horizontal surfaces or surfaces subject to foot traffic.
- Do not use the SILEXCOLOR system to paint surfaces that are to be permanently immersed in water.
- Do not apply the SILEXCOLOR system when rain is likely or when humidity is high.
- Do not apply the SILEXCOLOR system at temperatures below +8°C or above +35°C.
- Do not dilute SILEXCOLOR with solvents or water.



- SILEXCOLOR PRIMER must always be applied to the substrate before painting with SILEXCOLOR.

## HOW TO USE

### Preparing the substrate

Substrates must be sufficiently cured and dry. The surface to be treated must be thoroughly clean and solid. Completely remove all dirt, dust, grease, oil, and saline efflorescence by sanding, sandblasting or with a high-pressure water cleaner.

**Very important: substrates must be totally free of old paint residue. Wait until the surface is completely dry.**

### Preparing and applying SILEXCOLOR PRIMER

SILEXCOLOR PRIMER is ready to use and should never be diluted with solvents or water.

SILEXCOLOR PRIMER can be applied with conventional techniques: brush, roller or spray. Applying only one coat is sufficient for thorough impregnation.

The surface can be painted when SILEXCOLOR PRIMER is sufficiently dry, i.e. after at least 12 hours at a temperature of 20°C.

### Preparing and applying SILEXCOLOR

Dilute SILEXCOLOR with 20% SILEXCOLOR PRIMER and mix with a drill at low speed until completely homogenised.

To prepare partial quantities SILEXCOLOR should be first mixed as described above rather than removing a partial amount from the original container.

SILEXCOLOR can be applied with conventional techniques: brush, roller or spray over dry SILEXCOLOR PRIMER. At least two coats are necessary for thorough coverage, one applied 24 hours after the other at normal temperatures and humidity.

### Cleaning

Brushes and rollers can be cleaned with water before the product dries.



## TECHNICAL DATA: SILEXCOLOR PRIMER

### PRODUCT IDENTIFICATION

|                                |  |
|--------------------------------|--|
| Consistency:                   | runny liquid                                   |
| Colour:                        | colourless                                     |
| Specific gravity:              | 0.9 g/cm <sup>3</sup>                          |
| Viscosity (ford cup $\phi$ 4): | 30 seconds                                     |
| Dry solid content:             | 14%  |
| Storage:                       | 12 months in original sealed packaging         |
| Health hazard EC L. 88/379:    | yes. Skin irritant. Can damage eyes on contact |
| Inflammability:                | no   |
| Customs class:                 | 3209 10 00                                     |

### APPLICATION DATA

|                                    |                            |
|------------------------------------|----------------------------|
| Dilution ratio:                    | product is ready to use    |
| Drying time:                       | 5 to 6 hours at 20°C       |
| Waiting time before painting over: | 12 hours at 20°C           |
| Application temperature range:     | +8°C to +35°C              |
| Coverage:                          | 50 to 150 g/m <sup>2</sup> |

## TECHNICAL DATA: SILEXCOLOR

### PRODUCT IDENTIFICATION

|                             |  |
|-----------------------------|--|
| Consistency:                | dense liquid                                   |
| Colour:                     | white plus a range of 33 colours               |
| Specific gravity:           | 1.460 g/cm <sup>3</sup>                        |
| Brookfield viscosity:       | 14000 cps<br>Rotor 6 - RPM 10                  |
| Dry solid content:          | 55%  |
| Storage:                    | 12 months in original sealed packaging         |
| Health hazard EC L. 88/379: | yes. Skin irritant. Can damage eyes on contact |
| Inflammability:             | no   |
| Customs class:              | 3209 10 00                                     |

### APPLICATION DATA

|                                |  |
|--------------------------------|--|
| Dilution ratio:                | SILEXCOLOR PRIMER 20%                      |
| Dust dry:                      | 20 to 30 minutes                           |
| Drying time between coats:     | 24 hours                                   |
| Drying time:                   | 24 hours                                   |
| Application temperature range: | +8°C to +35°C                              |
| Coverage:                      | 350 to 450 kg/m <sup>2</sup> for two coats |

### FINAL PERFORMANCE DATA

|                                    |  |
|------------------------------------|--|
| Resistance to chemical aggression: | excellent                                    |
| Resistance to ageing:              | excellent                                    |
| Vapour permeability:               | 360 g/m <sup>2</sup> in 24 hours (DIN 53122) |



### **COVERAGE**

SILEXCOLOR PRIMER: 50 to 150 g/m<sup>2</sup>, depending on the porosity of the substrate.

SILEXCOLOR: 350 to 450 g/m<sup>2</sup> for two coats.

### **PACKAGING**

SILEXCOLOR PRIMER: 10-kg buckets.

SILEXCOLOR: 20-kg buckets.

### **STORAGE**

In a dry place at a temperature between +5°C and +35°C.

### **WARNING**

*N.B. Although the technical details and recommendations contained in this report 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 applications; 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.*

**N.B. FOR PROFESSIONAL USE ONLY**



MAPEI QUALITY SYSTEM



MAPEI - ITALY



MAPEI - FRANCE



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