SILANCOLOR PRIMER PLUS

Highly protective siloxane, mildew and mould-resistant primer







WHERE TO USE

Silancolor Primer Plus is a **silane and siloxane-based** primer in water emulsion, **resistant to growth of moulds and algae**.

It is used both **in interior and exterior** to uniform the absorbency of the substrate, making it suitable for the following application of **Silancolor Primer Plus** range finishes.

Silancolor Primer Plus protects the surface from the very beginning of the painting cycle and contributes in **removing all causes** of wall deterioration caused by moulds and algae growth.

Some application examples

Preparation of substrates before painting in case of facades deteriorated by moulds and algae or surfaces on which a treatment to prevent their growth has to be carried out.

TECHNICAL CHARACTERISTICS

Silancolor Primer Plus, together with paints and coatings from **Silancolor Plus** range, is part of a finishing cycle for interior and exterior which grants **specific protection from moulds and algae**, as well as **high protection from chemical attack, UV rays and humidity in general**, while preserving the breathability of the substrate and making it highly water-repellent.

Silancolor Primer Plus is a silane and siloxane-based primer in water emulsion with **high penetration capacity**.

Silancolor Primer Plus uniforms the absorbency of the substrate and acts as **adhesion promoter**.

Silancolor Primer Plus is **odourless and solvent-free**, for this reason it is suitable for applications in closed or poorly ventilated environments.

Silancolor Primer Plus contains a **specific product for mould and algae growth control**.

RECOMMENDATIONS

- Do not use **Silancolor Primer Plus** on metal surfaces.
- Do not apply **Silancolor Primer Plus** on damp or not completely cured substrates.

- Do not use **Silancolor Primer Plus** at temperatures lower than +5°C or higher than +35°C (always apply on dry substrate and avoid exposure to direct sunlight during application).
- Do not apply **Silancolor Primer Plus** if the level of humidity is over 85%.
- Do not apply **Silancolor Primer Plus** if it is about to rain or in windy weather.
- Please refer to "Safety Instructions for preparation and application" paragraph.

APPLICATION PROCEDURE

Preparation of the substrate

New surfaces or repaired areas to be treated must be cured and perfectly clean, sound and dry.

Remove any trace of oils or grease and detaching parts.

Remove all traces of algae, mould and fungi, if already present. Removal must be carried out when the surface is wet, after thoroughly washing the surface with **Silancolor Cleaner Plus**.

Silancolor Cleaner Plus must be applied on the whole surface using a low-pressure hand spray pump or a brush, leaving the product to react for a few minutes and letting it penetrate deep in the substrate.

Then remove algae, moulds and fungi mechanically by brushing.

Repeat application more than once and continuously apply **Silancolor Cleaner Plus**, allowing it to penetrate deep in the substrate.

Seal any cracks if present and repair damaged areas before application.

Fill pores in concrete and level off irregularities on the substrate using mortars and skimcoats from MAPEI Building Line.

Preparation of the product

Silancolor Primer Plus is ready to use; the product can be diluted with water up to 50%. Shake well before use.

Application of the product

If walls were previously washed using **Silancolor Cleaner Plus**, it is sufficient to wait until the surface is completely dry before applying **Silancolor Primer Plus**.

Accurately stir **Silancolor Primer Plus** before use and apply it with Traditional means, such as brush, roller or spray.

Protect the treated surface from rain for at least 12 hours after application.

Wait 12-24 hours, according to temperature and humidity, and in any case until the substrate is completely dry. Then apply the chosen finish from the **Silancolor Plus** range.

CLEANING

Remove **Silancolor Primer Plus** from brushes, rollers or spray equipment with water before it dries.

CONSUMPTION

Consumption is heavily influenced by the absorbency level of the substrate.

In normal conditions, consumption rate is approx. 0.10-0.15 kg/m^2.

PACKAGING

Silancolor Primer Plus is supplied in 2 kg and 10 kg plastic drums.

STORAGE

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

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.com.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY	
Concistency:	fluid liquid
Colour:	milky white
Density by weight (EN ISO 2811-1) (g/cm³):	approx. 1.01
Active substance content (%):	approx. 7

APPLICATION DATA	
Dilution ratio:	ready to use; can be diluted up to 50% with water
Recoat time:	12-24 hours according to normal humidity and temperature conditions, and in all cases only when the previous coat is completely dry
Application temperature range:	from +5°C to +35°C
Consumption (kg/m²):	0.10-0.15

FINAL PERFORMANCES	
VOC content of ready-mixed product (European Directive 2004/42/EC) (g/l):	≤ 5

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

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.com.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

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