

Kimipaint DECO-SIL

ST2-0221

Fiber-reinforced thickness coating



DESCRIPTION

Kimipaint DECO-SIL is a continuous fiber-reinforced coating, based on acrylic-siloxane resins, inorganic pigments, quartz and various and balanced grain sizes, in order to obtain a pleasant full and continuous aesthetic effect. It removes any imperfections on the substrate.

The product complies with the requirements of UNI 15824.

USES

Primer for traditional or premixed civil plasters, pre-painted and prefabricated concrete plasters.

Suitable for applications in the finishing of external systems.

APPLICATION

All substrates must be dry, thoroughly cleaned, uniform in absorption. In the event of chalking (plasters) or flaking (old paints), we recommend restoring the integrity of the substrate by mechanical scraping or hydro-washing.

The application of the acryl-siloxane toner requires the preliminary use of the **Kimipaint SIL BASE** siloxane primer.

Before application, if necessary, we recommend mixing the product with a low speed mechanical stirrer, adding water if necessary (max 2%) in order to adapt the viscosity to the application needs.

Spread the product on the support with a metal trowel evenly and continuously, smoothing the thickness of the grain. Then finish evenly with a plastic or steel trowel by working the surface in circular sense. Since the appearance and roughness profile of the surface are determined by the tool used, it is advisable to always work with the same structuring tool.

	Manual application		
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In order to obtain a homogeneous surface and to avoid unsightly color variations, it is always necessary to fully work the walls in a single cycle of work, carrying out continuous and smooth, wet-on-wet processing. Since the product contains additional natural substances, slight colour variations may occur. It is therefore recommended to apply products of the same production (same batch number) on adjoining surfaces or to mix together products with different batch numbers before application.

ENVIRONMENTAL CONDITIONS - Do not apply at temperatures below + 5 ° C. Avoid applying in full sun, rain or strong wind or fog. With these environmental conditions, we recommend during the drying phase, to protect the facade with tarpaulins (in case of rain or fog) or curtains (in case of strong wind or exposure to full sun).

DRYING - At + 20°C and 60% relative humidity (optimal conditions) surface dries after 3 hours, complete drying after 2 days. The drying and hardening process of the product takes place by hydration and evaporation of the mixing water, therefore the duration of the process is subject to variations according to the period of the year: in particular during the cold and wet period drying is slower.

CONSUMPTION

1,6 Kg/m² – granulometry 1 mm
1,8 Kg/m² – granulometry 1,2 mm
2,4 Kg/m² – granulometry 1,5 mm
3,0 Kg/m² – granulometry 2 mm

PACKAGING

Cop. da 25 Kg.

STORAGE

The product fears humidity. Store in a sheltered and dry place at temperatures between 5 and 30°C; in these conditions and in unopened containers, the product maintains its stability for 12 months.

Characteristics	Typical value
Appearance	Matt
Color	White and colored
Dry bulk [g/cm ³]	1,95 ± 0,05
Dry residue	84 % ± 0,5
pH	8-8,5
Drying	Dry surface: 3-6 h Complete drying: 24-48h
Environmental conditions	T: 5-30 °C U.R. max 65 %
Tensile adhesion (EN 1542)	0,6 N/mm ²
Water absorption (EN 1062-3)	Class W ₃ (Low), W=0,04 kg/(m ² * h ^{0,5})
Water vapour permeability (EN ISO 7783-2)	Class V ₁ (High), V= 159 g/m ² x 24h, Sd=0,132 m
Durability (UNI EN 13687-3)	0,4 N/mm ²
Thermal conductivity (EN 1745)	λ=0,5 W/(mK)
Reaction to fire (EN 13820)	Class C

WARNING

Product intended for professional use.

Given the possibility that different supplies of the same raw materials have slightly discordant colors, including a lot of production and the other may be minor color variations that do not affect in any way the technical performance of the products supplied.

Before using, check the product has not been damaged, and do not use it if there are any lumps.

Do not remix by adding water to the product when it has already started to set.

Wait at least 3 weeks before applying the product to new plasterwork.

The product should not be applied at temperatures below +5°C or above +30°C.

Unsuitable atmospheric conditions can negatively affect drying times, compromising the performance and aesthetic characteristics of the product. It is therefore recommended to apply in the climatic conditions listed below. The polymerization process takes place in about 15 days in optimal conditions (20°C R.H. 60%). In case of violent rainfall occurs before the unprotected paint is completely dried, unaesthetic washouts with a translucent and whitish appearance may occur. In this case, immediately and abundantly wet all the area where the paint extends without running water or rubbing or wait for later rainy events. It is absolutely not recommended to repaint the area affected by the problem before the washing disappears.

Wash the equipment before the product starts to set.

Wash equipment with water before the product sets.

The marking obligations are not related to the intrinsic nature of a given product, but to the use to which a specific material is used: before making the order in Kimia, the buyer shall submit all the documentation available to the construction supervision in order to determine the materials suitability (in terms of certifications and performance) in relation to the use for which they are intended.

For further information and advice on safe handling, storage and disposal of chemical products, the user must refer to the most recent Safety Data Sheet, containing physical, ecological, toxicological and other data related to safety. All technical data shown in this Technical Data Sheet are based on laboratory tests. Actual measurement data may vary due to circumstances beyond our control. The information and requirements indicated in this Technical Data Sheet are based on our current knowledge and experience and are to be considered, in any case, purely indicative. They cannot guarantee the final result of the applied product and they have to be confirmed by exhaustive practical applications; therefore the user must test the suitability of the product for the intended application and its purpose. Users must always refer to the latest version of the local technical data sheet related to the product.