



Kimipaint SIL TOP

ST3-0221

Thick coating made out of dispersed siloxane resins.



DESCRIPTION

Kimipaint SIL TOP is a finish specially formulated to have strong water repellency and high breathability. Highly resistant to UV and atmospheric stress.

The product is CE marked according to the UNI EN 15824 standard.


USES

Siloxane resin based finishing coat suitable for applications in the **KIMITHERM** certified system. The product is used on sound, dry and solid surfaces as protection and decorative coat of external surfaces.

WORKS

- External thermal insulation composite system (**SA30**);

APPLICATION

	Manual application		
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All substrates must be dry, thoroughly cleaned, absorbent. In case of plastering or peeling (old paint), we recommend restoring the integrity of the support by mechanical scraping or hydro-washing.

Before application it is advised, if necessary, to mix the product with a low-speed mechanical stirrer, adding water (max 2%) in order to adapt the viscosity to the application requirements.

Spread the product on the support with a metal trowel in a uniform and continuous manner, smoothing the thickness of the grain. Then finish evenly with a plastic or steel trowel working the surface in

circular sense. Since the surface appearance and roughness profile are determined by the tool used, it is always advisable to work with the same structuring tool. In order to obtain a homogeneous surface and avoid unsightly color differences, it is always necessary to work the walls completely in a single work cycle, performing continuous and smooth, wet-on-wet processing. Since the product contains additional natural substances, slight variations may occur

of color. It is therefore recommended to apply products of the same production (same batch number) on adjacent surfaces or to mix together products with different lot numbers before application.

ENVIRONMENTAL CONDITIONS - Do not apply at temperatures below + 5 ° C. Avoid applying in full sun, rain or strong wind or fog. If such environmental conditions exist, we recommend

during the drying phase, to protect the façade with tarpaulins (in case of rain or fog) or curtains (in case of strong wind or full sun exposure)

DRYING - At + 20 ° C and 60% relative humidity (optimal conditions), superficial drying occurs after 3 hours, while complete drying occurs 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 based on the period of the year in which it occurs: in particular during the cold and wet period it is necessary to take note that drying occurs more slowly.

CONSUMPTION

2,2 - 2,6 Kg/m² – granulometry 0,7 mm

2,5-3,0 Kg/m² – granulometry 1,2 mm

3,5-4,0 Kg/m² – granulometry 1,5 mm

PACKAGING

Cop. 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 intact containers, the product maintains its stability for 12 months.

Characteristics	Typical value
Appearance	Smooth
Color	White and colored
Bulk [g/cm ³]	1,85 ± 0,03
Dry residue	82 % ± 0,5
pH	8-8,5
Drying	Dry surface: 3-6 h Complete drying: 24-48h
Environmental condition	T: 5-30 °C R.H. max 65 %
Tensile adhesion (EN 1542)	0,6 N/mm ²
Water absorption (EN 1062-3)	Class W ₃ (Low), W=0,023 kg/(m ² * h ^{0,5})
Water vapour permeability (EN ISO 7783-2)	Class V ₁ (High), V= 235 g/m ² x 24h, Sd=0,089 m
Durability (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. Keep castings damp to avoid over-rapid evaporation of liquid from the mix.

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.

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.

TECHNICAL SPECIFICATIONS

SK30 - External thermal insulation composite system

(SK 30) External thermal insulation after bonding and skimming expanded polystyrene insulation panels such as Kimitherm EPS 100 by Kimia S.p.A. or similar product with Betonfix smoothing mortar TERMORASA by Kimia S.p.A. or similar product.

Kimitherm EPS 100 expanded polystyrene panel by Kimia SpA or similar product, compliant with the UNI EN 13163 standard and certified according to the requirements of ETAG004 for insulation panels for external insulation systems. Its characteristics: size 1000x500 mm, fire reaction class E, thermal conductivity equal to 0.036 W/(mK), flexural strength > 150 KPa, tensile strength > 150 KPa, compressive strength at 10% deformation > 100 KPa, water vapor permeability: 30-70.

The ready-to-use skimming mortar will be prepared and applied following scrupulously the indications given on the technical data sheet provided by the Manufacturer and will be compliant and certified according to the requirements of ETAG004 for skim coats and adhesives for coat insulation systems and it will be respect the following specifications: Bulk density UNI 9446: 1,22 ± 0,1 g/cm³; Fresh mortar

bulk density EN 1015-6: $1680 \pm 50 \text{ Kg/m}^3$; Maximum granulometry EN 1015-1: 0,5 mm; Duration EN 1015-9: 75 ± 5 minuti; Consistency UNI 7044/72: 50-70%, Minimum temperature for application: 5°C .

The application can be carried out in two ways: bonding of a perimeter curb and central points or full surface bonding.

After fixing the panels using the fixing system Kimitherm T-CONNECT by Kimia S.p.A. or similar product, installation of the leveling layer by incorporating glass fiber mesh Kimitech 350 by Kimia S.p.A. or similar product.

Finishing by cycle with acrylic tonachino consisting of Kimipaint HYDRO primer by Kimia S.p.A. or similar product and Kimipaint DECO by Kimia S.p.A. or similar product, cycle with siloxane tonachino consisting of Kimipaint SIL BASE primer by Kimia S.p.A. or similar product and Kimipaint SIL TOP finish by Kimia S.p.A. or similar product, or cycle with acrylic paint consisting of primer Betonfix R52 by Kimia S.p.A. or similar product and Kimipaint EASY by Kimia S.p.A. or similar product.