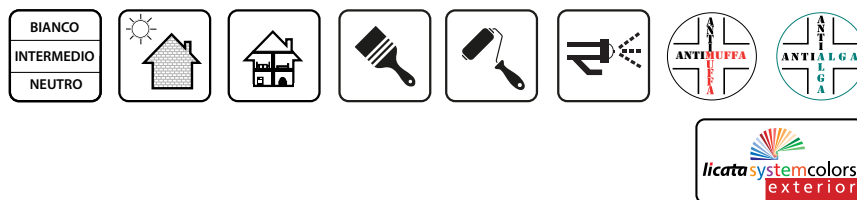


Siloxan Paint

Siloxane micro coating for external use, based on copolymers in aqueous dispersion, highly water-repellent and with high breathability. Resistant to alkaline bases and to atmospheric agents, combines excellent anti-moulds and algae-resistant properties and a high resistance to washing. It is specific as decoration in the cycles of aesthetic/functional recovery of façades; ideal in dehumidifying cycles or where it is required a high permeability to vapour.



Siloxan Paint is a micro coating, based on siloxane copolymers in aqueous dispersion and aggregates of siliceous nature, that can be pigmented. The high degree of permeability to steam makes it ideal for interventions on dehumidifying cycles or, in general, on application cycles where high breathability is required. **Siloxan Paint** is specific for interventions on new or existing façades both as micro coating for repainting the façades, and as decorative phase in the cycles of reinforced skim coatings. Thanks to its formulation, **Siloxan Paint** allows a complete protection of the façade from rain and atmospheric agents. The special additive in the formula guarantees excellent protection against attacks by mould and algae. Combined with the colouring pastes, **Siloxan Paint** ensures good durability, gloss and fullness of colours.



MAIN FIELDS OF USE

Siloxan Paint is indicated for the decoration of indoor/outdoor, new or existing bases, on residential, industrial or commercial buildings. It is advisable to use the product on cured bases, i.e. after a curing time of at least four weeks. It can be applied on bases such as:

- Hydraulic lime base finishes
- Air-hardened lime base finishes
- Lime/cement base finishes
- Dehumidification systems for capillary rising damp
- Reinforced skim coatings in façade restoration cycles
- Concrete
- Pre-fabricated concrete panels
- Old paintwork provided that it is cohesive and consistent.

For applications on different substrates, please contact our technical department.

CHARACTERISTICS

- Low dirt pick-up: **Siloxan Paint** is also ideal as a final decorative finish for façades in places subject to high concentrations of dust or pollutants, thanks to its low dirt pick-up.
- Excellent permeability to vapour: thanks to the careful selection of the Siloxan siloxane binders **Siloxan Paint** has an excellent water vapour permeability that makes it ideal as finish on dehumidifying systems or breathable cycles.
- Highly water-repellent: the particular formulation of **Siloxan Paint** allows a complete protection from atmospheric agents by creating a continuous skin that prevents the passage of rain water thus keeping the walls dry.
- Versatility: the fine grain size combined with meticulous research and selection of raw materials means professionals can apply **Siloxan Paint** both manually (brush/roller), and mechanically (airless).

- Protection against mould and algae: the special anti-mould additives in the formula ensure an excellent degree of protection from mould and algae formation.

APPLICATION METHOD

Preparation of substrate

If the surface is old, any swollen areas, that are peeling off or not sufficiently cohesive, must be removed, taking care to smooth the surface afterwards. For new surfaces it is recommended to pre-treat the base with a coat of **Siloxan LG** or **Siloxan Primer**, in order to ensure uniformity and decrease absorption, while on existing surfaces but with "powdering" effect, apply **Nano Primer** as surface compacting. On non-uniform surfaces apply a base of **Siloxan LG**. If the substrate shows signs of mould or algae, pre-treat the affected areas with **Sanus** biocide. A substrate that is ready for application should be clean, smooth, cohesive, with no flaking.

Preparation of the product

IT IS possible to dilute **Siloxan Paint** with clean water in the following ways:

- Application with brush or roller: 25% 1st coat– 20% 2nd coat
- Airless application: 25%

After dilution, IT IS advisable to mix the paint for a few minutes using a mixer whisk to make the mixture smooth.

Application

Siloxan Paint can be applied manually (brush/roller) or with an airless machine in two or more cross-over layers in order to achieve perfect coverage and the desired finish. For multiple applications, apply successive layers about 3 hours apart.

Particularly absorbent substrates or unfavourable climatic conditions (areas subjected to strong air currents, high temperatures, etc.) can lower the open paint time to just a few minutes, therefore, you must constantly check that a surface film does not form and if it dries out too quickly. **Siloxan Paint**, in ideal conditions, cures sufficiently for successive applications after approximately 3 hours (+20 °C and R.H. 70%) and full curing 24 hours after the last coat. Do not apply **Siloxan Paint** on substrates that have a film of water on the surface, are wet or exposed to extreme conditions, such as walls exposed to strong sunlight or frost.

Make sure that the ambient temperature and that of the substrate during application is between +5 °C and +35 °C.

PRODUCT INFORMATION

Appearance	Liquid - White
Yield	0.250 – 0.350 kg/m ²
Dilution	20% - 25%
Drying time	3-4 hours at +20 °C to touch approx. 24 hours at +20 °C fully dry
Application temperature	between +5 °C and +35 °C and 70% R.H.
Storage	12 months if stored in the original, unopened container
Packaging	20 kg polypropylene bucket
Binding agent	Siloxane copolymers
Specific gravity	1.60 kg/L
Dirt pick-up	Low
Brightness	Ultra-matt
VOC (Directive 2004/42/EC) for external wall coating (Cat A/c):	< 30g/L of VOC



WARNINGS

- Not suitable for frozen or thawing substrates.
- In the event of difficult substrates or ones differing from those listed, perform a suitability test beforehand and contact our technical department.
- Store the containers in places out of direct sunlight and at temperatures not below +5 °C to avoid compromising the quality of the material.
- Always check the material before applying it to make sure that the colour matches the one requested.
- Any claims about the colour shade will not be accepted after application.
- It is not possible to guarantee drying with colour differences (stains) due to:
 - the different atmospheric and physical conditions in which the building is located;
 - scaffolding;
 - the conditions of the substrate (such as structure, absorption aspect, etc.);
 - the use of natural raw materials.
- Protect from direct sunlight and heavy rainfall for the first 48-72 hours. The effective temperature and degree of humidity may speed up or slow down the drying process.
- Protect eyes and hands during application.
- After using the product, wash the tools with water.

SAFETY

Please consult the safety data sheet for information about product disposal, storage and usage.

NOTES

This data sheet replaces and voids all previous versions.

The indications and specifications given in this document are based on our current technical and scientific knowledge. They should, however, be considered as purely indicative because we have no control over the conditions in which the product will be used. The purchaser must, therefore, check that the product is suitable for his specific requirements. Our sales and technical network guarantees rapid consultancy services and is at your disposal for any clarifications and questions you may have about the use and application of **Licata SpA** products.

Data sheet ref.: 110/17.1