

**NanoSil Primer**

Transparent potassium silicate primer, highly permeable to vapour.

**MAIN AREAS OF USE****It is particularly suitable to:**

Create binding bridges for walls and ceilings, even very smooth, before laying NanoSil Paint, or in any case of transpiring materials.

**Recommended applications:**

Improve the adhesion of vertical and horizontal surfaces, even very absorbent, before the laying of decorative water-based paints.

**Suitable substrates (indoors or outdoors):**

- Lime, cement or lime/cement-based plasters
- Precast and cast-in-place concrete
- Old paints as long as they are properly pre-treated

**CHARACTERISTICS**

**Maximizes the photo-catalysis effect** of subsequent treatments.

**Also suitable for indoor works** due to low VOC content.

**Excellent penetrating power** limits the absorption of porous surfaces.

**Universally compatible** with the most common substrates used in construction.

**Very high transpiring feature** typical of silicates, makes the entire decorative cycle water-repellent and anti-mould.

**METHODS OF APPLICATION****Preparation of the substrate**

The substrate must be clean, planar, cohesive and free of any kind of detaching substance. It is always advisable to use a primer to even out absorption.

- **New substrates:** no precautions beyond those indicated
  - **Deteriorated or crumbling substrates:** Remove any friable, poorly cohesive or detaching parts and restore the correct flatness with **licata** products.
  - **Substrates with poor flatness:** apply **Uniformante LG** filler primer before the application.
- Substrates with algae or mould:** pre-treat the affected surfaces with **Sanus** biocide.

**Preparation of the product**

**NanoSil Primer** can be applied as is, or diluted with a maximum of 5% clean water. However, it is advisable to homogenise the product with a mixer at low speed before application.

**Application**

**NanoSil Primer** must be applied in one coat, with a brush, roller or airless, taking care to cover 100% of the surface to be treated.

**PRODUCT INFORMATION**

Appearance	Colourless liquid
Yield	0.100 – 0.200 m <sup>2</sup> /L
Dilution	Max 5 %
Drying time	Dry to the touch about 1-2 hours Completely dry about 24 hours
Application temperature	between +5 °C and + 35 °C and R.H. 70%
Storage in unopened original packaging	12 months in a dry place between +5° and +35°C
Packaging	5 L polypropylene bucket
Binding agent	Potassium silicate
VOC (Directive 2004/42/EC) for paint for primer (Cat A/g):	< 30g/L of VOC

**WARNINGS**

- Product for professional use.
- In the case of applications other than those indicated in the sheet, it is advisable to carry out a suitability check in advance and/or contact the Licata Technical Service for further information.
- Always check the colour, texture and appearance before application. Any claims regarding this will not be accepted once the product has been applied.
  - Do not apply in extreme conditions such as on icy surfaces or in the presence of fog/excessive ambient humidity.
- To avoid aesthetic and functional defects, adequate shielding must be provided in case of direct exposure to sunlight.
- Make sure that the ambient, substrate and product temperatures during application and drying are between +5°C and +35°C.
  - Properly care for the product until it is completely dry and at least in the first 48-72 hours, protecting it from rain, wind, weather and direct sunlight.
  - The temperature and humidity can accelerate (if high) or slow down (if too low) even drastically the maturation process, until it stops completely.
  - The presence of scaffolding, the use of natural raw materials and the impossibility of controlling the atmospheric and substrate conditions can lead to signs of recovery and inhomogeneity for which Licata SpA is not responsible.
  - The fresh product can be washed with water.

**SAFETY**

Protect eyes and hands during application.  
Read and keep the latest version of the Safety Data Sheet available for information on the correct disposal, storage and handling of the product.

**NOTES**

This data sheet replaces and voids all previous versions.  
The instructions and performance information given in this document are based on our current technical-scientific knowledge and must in any case be considered purely indicative and refer to standard laboratory conditions. The purchaser must, therefore, check that the product is suitable for his specific requirements. All the documentation necessary for the safe use of Licata SpA products is available in its most up-to-date form on the **Licata SpA** company website. Additionally, our technical-commercial network guarantees a quick inquiry and remains available to you for information and explanations. For further information, contact the Licata Technical Service at [servizio-tecnico@licataspa.it](mailto:servizio-tecnico@licataspa.it)  
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