



Idrosil Exterior Silicate Sol

Highly transpiring potassium silicates micro-coating
and excellent adhesion even without primer.



MAIN AREAS OF USE

It is particularly suitable to

Paint surfaces that require a finish with high levels of transpiring feature combined with waterproofing, especially in combination with materials based on potassium silicates.

Recommended applications:

Paint transpiring surfaces of all kinds: Commercial and residential buildings, showrooms, homes, etc.

Suitable substrates (indoors or outdoors):

- Lime-based civil finishes
- Cement-based civil finishes
- Gypsum (after application of a primer in case of smoothing with very low absorption)
- Surfaces already painted, after carefully checking and cleaning the substrate
- Concrete

CHARACTERISTICS

Good covering power thanks to the high degree of opacity and the high white point.

Odourless and with low VOC content (< 30g/L), therefore ideal for use indoors.

Very high transpiring feature: the porous structure and silicone binders guarantee extraordinary vapour permeability.

Silicate binders conforming to **DIN 18363**

METHODS OF APPLICATION

Preparation of the substrate

The substrate must be clean, flat, cohesive and free of any kind of release agent. 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 poor flatness:** pre-treat the affected surfaces with **Sanus** biocide.

Preparation of the product

Idrosil Exterior "Silicat-Sol" with clean water in the following percentages:

Brush or roller application: first coat 10% - second coat 5% - Airless application: 10%

After dilution, it is advisable to blend the product for a few minutes using a low-speed mixer.

Application

1_Spread the product in two or more cross layers, with a brush, roller or with an Airless machine, taking care to cover 100% of the surface to be treated.

2_In case of multiple applications, paint the next layers after about 3-4 hours.

PRODUCT INFORMATION

Appearance	White liquid
Yield	0.250 – 0.350 Kg/m ²
Dilution	First coat 10% Second coat 5% Airless 10%
Drying time	Dry to the touch about 3-4 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	20 kg polypropylene bucket
Binding agent	Potassium silicate
Specific gravity	1.60 kg/L
Dirt pick-up	Low
Brightness	Very Opaque
VOC (Directive 2004/42/EC) for painting for external walls (Cat A/c):	< 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
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