



ISOBELL SKIM

Mineral finishing compound based on potassium silicate and perlite

TECHNICAL DATA SHEET COMPILATION DATE: 01/10/2025 REV.1



PRODUCT DESCRIPTION

Ready-to-use mineral finishing compound in paste, ideal for the ISOBELL® protection system against rising damp, mold, and condensation, for both interior and exterior uses. Potassium silicate mineral compound, ideal for smoothing and restoring walls in poor condition. Due to its chemical adhesion mineral nature, it revolutionizes the concept of adhesion to the substrate by deeply penetrating the pores of the wall and then reacting with its components to form a unique and indissoluble "silicating" body. It promotes the natural diffusion of environmental humidity through the plaster thanks to its excellent breathability. Specially formulated for the regulation and coating of various internal and external building surfaces, for the thermal-hygrometric correction of walls, internal environments, and external facades. The product is non-attackable by mold, making it ideal for interior use where intervention for the restoration of damaged walls is required.

COMPOSITION

Stabilized potassium silicate, lightened with perlite, containing siliceous inerts, quartz sand with controlled granulometry of 0.2 mm for finishing smooth coat. Contains various additives in such concentrations as to ensure the fulfillment of physical parameters such as permeability and water repellency.

ENVIRONMENTAL CONDITIONS FOR APPLICATION

Temperature: 8 - 30°C;
Relative humidity: max 70%

Application of the product under unsuitable atmospheric conditions negatively influences drying times, compromising the achievement of optimal aesthetic and performance characteristics.

DILUTION AND pH

pH 9-10 . Ready to use.

COVERAGE

SKIM | Grain 0,2 mm
1 - 1,5 kg/m² for smooth finishing in two coats;

The yield may vary based on the irregularity of the surfaces to be treated.

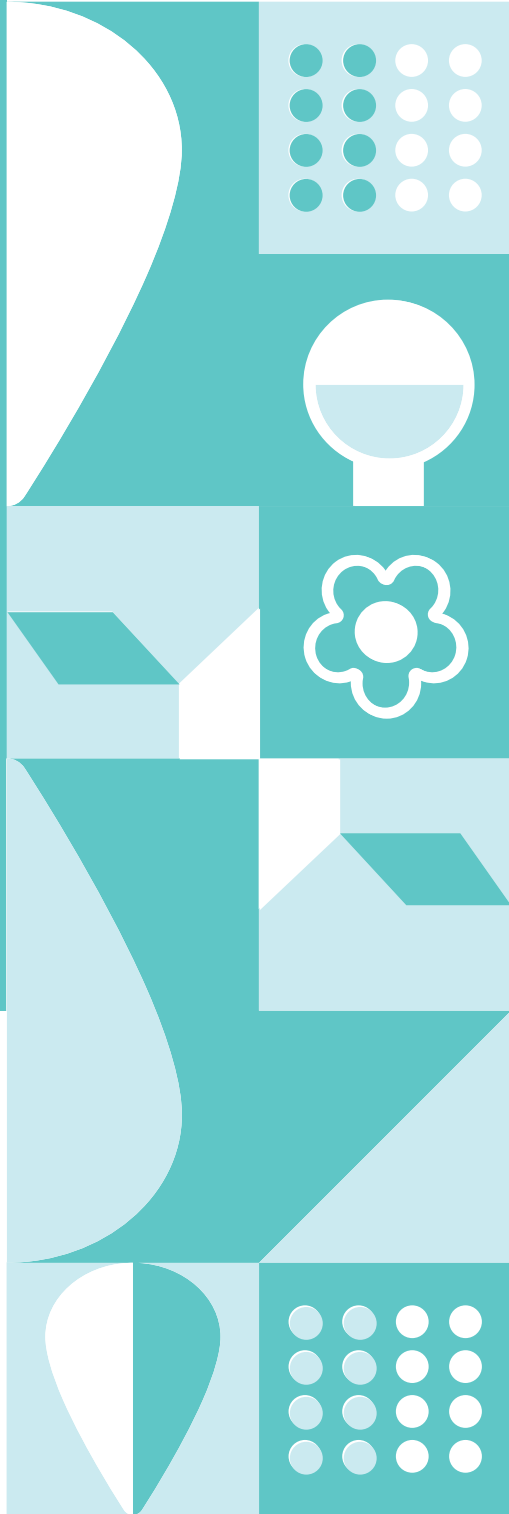
CURING TIME

Deep dry*: 24-72 hours *for each mm of thickness

(Data referred to 20°C and 65% relative humidity. Drying times depend strictly on humidity and temperature conditions.)



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STORAGE AND SHELF LIFE

36 months in original sealed containers stored in a covered environment, protected from direct sunlight at a temperature between +8°C and +35°C. Protect from frost. Exclusion of mixing with other products. Any mixing will alter the characteristics and qualities of the product.

PACK SIZE

SKIM 10 kg

TOOLS

With a steel and plastic trowel. Clean with water immediately after use.

WHERE TO USE

It can be applied to all types of plaster (except gypsum-based plasters) as well as to the surfaces of all kinds of building artifacts such as concrete, cement mortars, prefabricated, lightweight pre-stressed structures, wood, masonite, faesite, and similar structures. Iron works must be pre-treated with anti-corrosion products, while aluminum, light alloys, and plastic require a preliminary protective treatment. For new surfaces, remove any dust, treat with the Silicates-based fixative primer BINDER, while for old surfaces remove dirt and grease, strip off non-adherent and synthetic old paints, scrape, brush until the healthy part of the substrate is found, and then proceed with impregnation with the fixative and consolidating product BINDER.

APPLICATION

SKIM

Smooth mineral finish coat application, natural and breathable pasta based on potassium silicates, ready to use. It is suitable as a finish for surfaces previously smoothed with PLAST or BIOMIX COMFORT. Apply with a smooth stainless steel trowel. The finish with a 0.2 mm grain, once dry, can be sanded for a uniform effect. The minimum thickness of the smoothing layer should not be less than 1 mm. Do not apply the mixture at temperatures below +8°C or above +35°C, or on frozen surfaces or those at risk of freezing.

Charateristics	Standard	Parametar	Results
Water vapor transmission	EN ISO 7783-3	μ S_d [m]	5 0,015
Weight	-	kg/m ³	1,10
Thermal conductivity	EN 1745	[W/mK]	0,40
Tests conducted at qualified laboratories			



WARNINGS

- The silicatization process occurs within 21 days under optimal environmental conditions (23°C; max. 65% relative humidity). It is recommended to apply the product under favorable climatic conditions as indicated above. In particular, application under extreme temperatures (< 8°C and > 30°C) negatively influences the silicatization process.
- Due to the high alkalinity of the product, carefully cover all adjacent surfaces such as glass, ceramics, bricks, etc., to prevent damage.
- Do not apply in case of rain, threat of rain, facades exposed to direct sunlight (use protective sheets on scaffolding), or in the presence of strong wind.
- Do not apply with relative humidity above 70%.
- Do not apply on wet or moist substrates with humidity above 60%.
- Do not apply on substrates treated with varnish paints, synthetic coatings, or on inconsistent and chalking substrates.
- Application on low absorbing surfaces (i.e cement plaster) is not recommended.
- Do not apply on frozen or thawing substrates.
- Skilled labor is recommended for application.
- Use as is, without adding other materials.
- Only breathable mineral-based paints (silicates, lime) are recommended.

The information and instructions above, while corresponding to our best experience, are purely indicative and must be confirmed by exhaustive practical applications. Therefore, before using the product, anyone intending to use it must determine whether it is suitable for the intended use and will assume any responsibility that may arise from its use.

LEGAL NOTICE

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The most updated Technical Data Sheet is available on our website www.isobell.it.

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