ISOBELL KLIMA

Adhesive and skim finish, acrylic paste, lightened with perlite

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PRODUCT DESCRIPTION

Adhesive and skim finish, ready-to-use acrylic paste, specially formulated for the ISOBELL® protection system in interior applications. Thanks to the perlite in the mix and aggregates of controlled grain size, it offers good breathability, making it ideal for treating cold walls prone to condensation and mould. In the ISOBELL cycle it helps raise the surface temperature of the masonry, reducing surface moisture and improving thermal comfort. It is also ideal where deteriorated walls are to be restored.

COMPOSITION

Synthetic resin in aqueous emulsion with adhesion promoters, aggregates with a controlled 1 mm grading curve, lightened with perlite. Contains various additives in concentrations ensuring compliance with physical parameters such as permeability and water repellency.

APPLICATION CONDITIONS

Temperature: 5 - 30°C;
Relative humidity: max 80%

Applying the product in unsuitable weather conditions adversely affects drying times, compromising the optimal achievement of its aesthetic and performance properties.

DILUTION and pH

pH 8.5. Ready to use.

CONSUMPTION

KLIMA | 1 mm grain
2 – 2.5 kg/m^2 for bonding with 4-5 mm notched trowel;
1.5 - 2 kg/m^2 for skimming at 1 mm thickness.

Coverage may vary depending on the unevenness of the surfaces to be treated.

DRYING

Through dry*	24-72 hours *per mm of thickness

Data refer to 20° C and 65% R.H.; drying times depend closely on the conditions of moisture and temperature.

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STORAGE AND MIXING

Keeps for 36 months in the original, tightly closed containers stored indoors, away from direct sunlight, at a temperature between + 5° C and + 35° C. Protect from frost. Do not mix with other products. Any mixing alters the properties and quality of the product.

PACKAGING

KLIMA 15 kg

METHODS AND TOOLS

Apply with a steel or plastic float. Clean with water immediately after use.

USE

Can be applied on all types of plaster as well as on surfaces of all types of building elements such as concrete, cement mortars, precast, lightweight prestressed elements, wood, masonite, hardboard and similar structures. Ideal both indoors and outdoors, where deteriorated walls and façades are to be restored. In the ISOBELL cycle it contributes to the thermal comfort of the wall. On new surfaces, remove any dust and treat with BINDER silicate-based fixative primer; on old surfaces, remove dirt and grease, strip non-adhering and synthetic old paints, scrape and brush down to the sound base, then impregnate with BINDER silicate fixative and consolidant.

APPLICATION

The product is ready to use, needs only slow stirring before use and can be applied directly on sound, non-powdery plaster (otherwise first prepare and consolidate it with BINDER silicate fixative primer). Apply the adhesive to the substrate with a notched trowel. Then install the ISOBELL® membrane. Once installed, skim with at least two coats, again with KLIMA, using a plastic (or steel) trowel, then finish with a paint suited to the cycle that ensures breathability or, outdoors, a coating fully compatible with the cycle. Used alone as a finish to restore deteriorated walls, the product can be applied as a repair mortar or as a decorative trowelled effect. A maximum of 2 mm per pass is recommended.

Before overcoating, it is advisable to wait until the first coat is completely dry.

WATER-BASED

SOLVENT-FREE

Properties	Standard	Parameters	Results
Water vapour transmission	EN ISO 7783-3	μ S_d [m]	175 0,25
Specific gravity	-	kg/m³	0,95
Thermal conductivity	EN 1745	[W/mK]	0,35
Tests carried out in qualified laboratories			

WARNINGS

• Apply the product in favourable weather conditions as indicated above. In particular, application at extreme temperatures (< 8 °C and > 30 °C) adversely affects drying.
• Through the physical process of water evaporation, under normal conditions the product dries completely in about 14 days.

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• 1-2% water can be added to the mix if the product is too viscous

• Do not apply in rain, threat of rain, on façades in direct sun (use sheeting on scaffolding) or in strong wind.
• Do not apply with relative humidity above 80%.
• Do not apply on wet or damp substrates with a concentration above 60%
• Do not apply on substrates treated with non-breathable paints or synthetic coatings, or on weak, powdery substrates.
• Do not apply on masonry subject to rising damp.
• Do not apply on frozen or thawing substrates.
• The use of skilled labour is recommended.
• Use as supplied, without adding foreign materials.
• Only breathable, water-repellent finishes and paints are recommended.

The information and instructions above, although based on our best experience, are in all cases purely indicative and must be confirmed by thorough practical applications; therefore, before using the product, the user must establish whether it is suitable for the intended use and, in any case, assumes all liability arising from its use establish whether it is suitable for the intended use and, in any case, assumes all liability arising from its use establish whether it is suitable for the intended use and, in any case, assumes all liability arising from its use.

SPECIFICATION TEXT

KLIMA

Spread the adhesive with a 4-5 mm notched trowel, covering the entire surface on which the ISOBELL membrane is to be applied. Checking beforehand that the surface on which the membrane will be installed is perfectly even and uniform, as well as cleaning and preparing the base, are recommended steps before installation. Once installed and dry, apply the skim coat for a final plaster finish. The minimum skim thickness must not be less than 1 mm. Do not apply the mix at temperatures below +5° C or above +35° C, or on frozen surfaces or surfaces at risk of frost. Once cured it must ensure a water vapour transmission rate Sd = 0.25 m (permeability) according to UNI EN ISO 7783-3 Class V2 (medium permeability).

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