



ISOLMIX BIOLIME ISO47



ITEM SPECIFICATIONS

Biological, low thick, breathable, mineral coating, for indoor application, based on hydrated pure lime, quality aggregates and special natural additives, class GP CSI W0.

TECHNICAL CHARACTERISTICS

ISOLMIX BIOLIME is a mortar based on natural flower lime and selected carbonate sands. With purely mineral additives. Ideal for the construction of green buildings with high living comfort.

THE PRODUCT



FOR INDOOR



PACKS OF
25 KG



HYDRATED LIME
BASED



PACKS OF
20 KG



WHITE COLOR



PACKS OF
14 KG



TO BE APPLIED
AT TEMPERATURE
FROM 5°C TO 35°C



PACKS OF
10 KG



MECHANICAL
MIXING



TO BE APPLIED
WITH IRON TROWEL



TO BE FLOATED
WITH SPONGE
TROWEL



USE PERSONAL
PROTECTIVE
EQUIPMENT

ANTIBACTERIAL AND ANTIMOLD EFFECT

ISOLMIX BIOLIME is a natural smooth coat that - thanks to its extremely open structure - is able to prevent the formation of condensation and mold caused by thermal bridges existing in correspondence of pillars and beams. The very basic matrix given by the use of hydrated lime provides a natural and long-lasting anti-bacterial effect which, combined with the very high breathability, creates a natural fungistatic environment that discourages the onset of mold.

HIGH BREATHABILITY

ISOLMIX BIOLIME COLOR is the ideal product for plastering of buildings for residential use because its high breathability completely avoids the formation of interstitial condensation, facilitating the tens of tons of water vapor present in a building, to escape while maintaining a high balance humidity of the air. In parallel, the high breathability of ISOLMIX BIOLIME allows quick evacuation of pollutants and excess moisture in present the air. Being perfectly eco-friendly, ISOLMIX BIOLIME is recommended for historical restoration because it supports the natural drying of rising damp on walls.

- biological product
- with natural additives
- for indoor rendering
- good workability
- breathability
- on standard substrate

* available on request

AREAS OF APPLICATION

INTERVENTIONS

- excellent for rendering indoors, for civil and commercial use
- ideal for historical renewal

SUBSTRATES

- cement-based and lime-based plasters, aerated concrete
- can be used on pre-cast concrete or cast in situ concrete

DO NOT USE

- for industrial use, for swimming pools, for cold rooms and for overlaying
- as waterproofing and on exclusive NX systems
- on gypsum-based plasters, on glazed tiles, resin or cementitious tiles, cementitious waterproofing, flexible substrates, fiber cement, metal surfaces
- on rubber, PVC, wood, linoleum, insulating film, not cementitious waterproofing membranes
- with natural stones subject to movements in the presence of dampness, substrates subject to continuous rising damp

LAYING

APPLICATION WITH IRON/SPONGE TROWEL

Spread a thin coat with an iron trowel. When it is dried (the next day), apply a second thin coat. When it began to harden (ie., when it is no longer soft to the touch) begin to float with a sponge trowel, evenly wetting with clean water.

It is advisable to leave the material stand about 15 minutes before use, to float only when it starts to harden and to wet evenly for not leaving marks.

We recommend not to wash neither the finishing nor working tools during installation and to be in sufficient numbers to perform floating and smoothing at the same time not to leave joints.



COMPLY WITH THE STANDARD EN 998-1 GP CSI W0

INDICATIVE DATA OF THE PRODUCT

Color/consistency: white/powder

Solid content %: 100

Bulk density kg/l: approx. 1,2

Hazard classification irritant
according to 1999/45/EC: important to carefully read the instructions contained in this form, on pack and on Safety Data Sheet

Storage: 12 months in dry and ventilated environment

Packaging: 25 kg

Custom code: 3824 50 90

VALUES OF THE FINAL PERFORMANCE

Compression strength after 28 days (EN 1015-11): > 1,5 N/mm²

Initial adhesion after 28 days (EN 1015-12): > 0,2 N/mm²

Water absorption coefficient due to capillary action
(EN 1015-18) Kg/m².min^{0,5}: W0

Heat conductivity (W/m*K) (EN 1745): 0,54

Water vapour permeability (μ) (EN 1745): 5/20

Reaction to fire: class A1

VALUES AND APPLICATIVE INFORMATION (AT 23°C AND 50% R.H.)

Water used for mixing: add ≈ 33% of water on a part of
ISOLMIX BIOLIME

Pot life: > 3 hours

Consumption: ≈ 1,4 kg/m² per mm of thickness

Minimum thickness: 1 mm

Complementary products: EMULSIONMIX

Application temperature: + 5°C /+ 35° C

WARNING

The requirements and the guidelines herein are to be considered purely indicative and corresponding to our everyday best experience. We therefore recommend carrying out the tests in order to verify that the product corresponds to what is actually required and expected. We, as producers, do not assume any responsibility about how, when and where our products are applied except for the constant quality of the material.