



ISOLMIX BIOLIME 500 W ISO29



ITEM SPECIFICATIONS

Biological, low thick, hydrophobic, breathable, mineral coating, for indoor application, based on hydrated pure lime, quality aggregates and special natural additives, class GP CSII W1.

THE PRODUCT



FOR OUTDOOR
WALLS IN DRY
CLIMATES



PACKS OF
25 KG



FOR INDOOR



PACKS OF
20 KG



HYDRATED
LIME-BASED



PACKS OF
14 KG



WHITE COLOR



PACKS OF
10 KG



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



MECHANICAL
MIXING



SLIGHTLY
HYDROPHOBIC



TO BE APPLIED
WITH IRON TROWEL



TO BE FLOATED
WITH SPONGE
TROWEL



USE PERSONAL
PROTECTIVE
EQUIPMENT

TECHNICAL CHARACTERISTICS

ISOLMIX BIOLIME 500 W is a hydrophobic mortar based on natural flower lime and selected carbonate sands. Silane and mineral additives make it the ideal product for the construction of green buildings with high living comfort.

ANTIBACTERIAL AND ANTIMOLD EFFECT

ISOLMIX BIOLIME 500 W 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.

WATER-REPELLENCY AND BREATHABILITY

ISOLMIX BIOLIME 500 W is a skim coat that has a very high breathability which totally avoids the formation of interstitial condensation, in addition to allowing a quick evacuation of air and excess moisture present in the air. Being perfectly eco-friendly, ISOLMIX BIOLIME 500 W is recommended for historical restoration because it supports the natural drying of rising damp on walls. The natural water-repellency of ISOLMIX BIOLIME 500 W allows to use it directly as a lime-based finish for indoor and is an advantage in case of a possible painting.

- biological product
- with natural additives
- hydrophobic
- for indoor rendering
- for outdoor in dry weather
- good workability
- breathability
- on standard substrate

AREAS OF APPLICATION

INTERVENTIONS

- excellent for rendering indoors, even good outdoors, for civil and commercial use
- ideal for historical renewal, resistant to thermal changes, frost-proof

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.



APPLYING ON WALL



OUTDOOR APPLICATION

COMPLY WITH THE STANDARD EN 998-1 GP CSII W1

INDICATIVE DATA OF THE PRODUCT

Color/consistency: white/powder

Solid content %: 100

Bulk density kg/l: approx. 1,1

Hazard classification according to 1999/45/EC: irritant
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): > 3 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}: W1

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 500 W

Pot life: > 3 hours

Consumption: ≈ 1,6 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.