



ISOLMIX ECOCALIX ISO03



ITEM SPECIFICATIONS

Ecological, low thick, breathable mineral finishing, for indoor application, based on pure natural hydraulic lime NHL 3.5, high quality aggregates and special additives, class GP CSI W0.

TECHNICAL CHARACTERISTICS

ISOLMIX ECOCALIX is a natural finishing plaster extremely eco-friendly made from natural hydraulic lime NHL 3.5, compliant with EN 459-1, natural additives and natural super-pozzolanic minerals. Ideal for the construction of green buildings and with a high living comfort.

THE PRODUCT



FOR OUTDOOR WALLS IN DRY CLIMATES



PACKS OF 25 KG



FOR INDOOR WALLS



PACKS OF 20 KG



NATURAL HYDRAULIC LIME-BASED



PACKS OF 14 KG



LIGHT BROWN COLOR



PACKS OF 10 KG



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



MECHANICAL MIXING



FIBER REINFORCED VERSION AVAILABLE



TO BE APPLIED WITH IRON TROWEL



USE PERSONAL PROTECTIVE EQUIPMENT



TO BE FLOATED WITH SPONGE TROWEL

* available on request

The task of a coating is to protect a construction from the atmospheric agents and from time. In designing ISOLMIX ECOCALIX we tried to make this happen in a way as natural as possible. The use of natural hydraulic lime obtained from marly limestone extracted from natural banks without corrective elements, combined with the use of selected aggregates, makes our coating eco-friendly. The internal structure of the finish coat ISOLMIX ECOCALIX, naturally breathable and moisture conductive, allows to use ISOLMIX ECOCALIX in all rehabilitation works of rising damp or subject to heavy condensation problems. Greatly widespread microporosity confers to the product a considerable resistance to temperature changes.

ANTIBACTERIAL EFFECT AND BREATHABILITY

The basic matrix given by the use of hydraulic 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. Being perfectly natural and eco-friendly, ISOLMIX ECOCALIX is recommended for the work of historical restoration where it supports the natural drying of damp walls and a durability typical of the natural hydraulic lime.

- ecological product
- shrinkage-free
- antibacterial
- for indoor rendering
- for outdoor in dry weather
- ideal for historical renewal
- good workability
- on standard substrate

AREAS OF APPLICATION

INTERVENTIONS

- excellent for rendering indoors, even good outdoors in dry weather, 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 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 the working tools during installation and to be in sufficient numbers to perform floating and smoothing at the same time not to leave joints.



HISTORICAL RENEWAL



PREPARATION OF MIXTURE

COMPLY WITH THE STANDARD
EN 998-1 GP CSI W0

INDICATIVE DATA OF THE PRODUCT

Color/consistency: light brown/powder

Solid content %: 100

Bulk density kg/l: approx. 1,5

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): > 2 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): 0,76

Water vapour permeability (μ) (EN 1745): 15/35

Reaction to fire: class A1

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

Water used for mixing: add ≈ 22% of water on a part of
ISOLMIX ECOCALIX

Pot life: ≈ 2 hours

Consumption: ≈ 1,6 kg/m² per mm of thickness

Minimum thickness: 1 mm

Complementary products: EMULSIONMIX

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

Start setting time: ≈ 2 hours

End setting time: ≈ 4 hours

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.