



ISOLPOROX ECOCALIX POR18



ITEM SPECIFICATIONS

Thick breathable basecoat, ideal for historical restoration, green building and smoothing of stone walls, based on pure natural hydraulic lime NHL 3.5, quality aggregates and special additives, class GP CSI W0.

THE PRODUCT



FOR INDOOR
& OUTDOOR



PACKS
OF 33 KG



FOR WALL



PACKS
OF 25 KG



FOR CEILING



PACKS
OF 20 KG



BASED ON NATURAL
HYDRAULIC LIME



MECHANICAL
MIXING



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



TO BE APPLIED
WITH PLASTER
SPRAYER



FIBER-REINFORCED



TO BE APPLIED
WITH METALLIC
TROWEL



USE PERSONAL
PROTECTIVE
EQUIPMENT

* available on request

TECHNICAL CHARACTERISTICS

HEALTHINESS AND ECOLOGY

Thanks to its natural composition, purely mineral, and to the natural hydraulic lime NHL 3.5, ISOLPOROX ECOCALIX is an ecological product, with very low environmental impact and ecological footprint extremely low.

Its open microstructure with open capillaries and macropores makes it extremely breathable, able to carry out steam and moisture, facilitating the drying of walls and the structure's breathability. This removes all risks of sick building syndrome that is present in many modern structures.

RESISTENCES

The use of mineral additives with super-pozzolanic action gives to ISOLPOROX ECOCALIX good mechanical performance in significantly shorter time span than the simple use of hydraulic lime 3.5.

WORKABILITY AND FINISHING

ISOLPOROX ECOCALIX presents workability, setting and drying time typical of natural hydraulic lime, with a hazelnut colour finishing, to be floated with sponge, with a very natural texture.

- ecological product
- highly breathable
- shrinking-less
- for internal and external smoothing
- ideal for historical restoration
- can be used with plaster sprayer
- on standard substrate

AREAS OF APPLICATION

INTERVENTIONS

- Excellent for indoors, even good outdoors, for civil and commercial use.
- Excellent for remediation of damp walls, rising damp from the ground and thermal bridges.
- Ideal for historical restoration, resistant to thermal shocks and frost.
- Ideal for green building.

SUBSTRATE

- Solid and hollow bricks
- Natural stones
- Lime-based plasters
- Scratch-coat based on natural hydraulic lime

DO NOT USE

- as waterproofing or on constructive systems
- on gypsum based plasters, on glazed, resin or cementitious tiles, on cement based waterproofing, flexible substrates, fiber cement and metal surfaces
- on rubber, PVC, wood, linoleum, insulating film, not cementitious waterproofing membranes
- with natural stones subject to movements in the presence of dampness

LAYING

The substrate must be level, clean and sufficiently cured, free from oils, greases, paints and waxes. Remove the unsafe material. The surface must be dry.

Mix the contents of the bag in a concrete mixer with water to obtain a plastic and homogeneous paste.

Apply with trowel or with plaster sprayer in just one coat on a clean and well moistened substrate.



COMPLY WITH THE STANDARD

EN 998-1 GP CSI W0

INDICATIVE DATA OF THE PRODUCT

Color/consistency: beige/powder

Solid content %: 100

Bulk density kg/l: approx. 1,4

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 CSI (from 0,4 after 28 days (EN 1015-11): to 2,5 N/mm²)

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

Capillary water absorption (EN 1015-18): W0

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

Heat conductivity (λ_{10} , dry) (W/m²K) 0,75
(EN 1745):

Reaction to fire (13501-1): class A1

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

Water used for mixing: add 24% of water on a part of ISOLPOROX ECOCALIX

Pot life: 2 hours

Consumption: $\approx 1,5$ kg/m² per mm of thickness

Complementary products: ISOLMIX ECOCALIX

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

Ideal temperature: + 20°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.