



RESTAUROMIX ECOCALIX M15 RES30



ITEM SPECIFICATIONS

High performance masonry mortar, for bedding and restoration of historic buildings, based on natural hydraulic lime NHL 3.5, selected sands with appropriate particle size, class M15.

THE PRODUCT



FOR OUTDOOR



PACKS OF 25 KG



FOR INDOOR



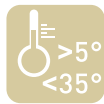
PACKS OF 20 KG



NATURAL HYDRAULIC LIME BASED



PACKS OF 14 KG



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



PACKS OF 10 KG



FIBER-REINFORCED VERSION AVAILABLE



MECHANICAL MIXING



HAZELNUT COLOR



TO BE APPLIED WITH TROWEL



USE PERSONAL PROTECTIVE EQUIPMENT

TECHNICAL CHARACTERISTICS

RESTAUROMIX ECOCALIX M15 is a natural eco-efficient restoring mortar, based on natural hydraulic lime NHL 3,5 complying with the standard EN 459-1, natural additives and natural super-pozzolanic minerals. Ideal for construction of green buildings and with high living comfort.

Especially for historical renewal, it is necessary to assure compatibility and continuity to the materials. With RESTAUROMIX ECOCALIX M15 we have 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-efficient. The internal structure of the mortar RESTAUROMIX ECOCALIX M15, naturally breathable and moisture conductive, allows to use RESTAUROMIX ECOCALIX M15 in all rehabilitation works against rising damp or subject to heavy condensation problems. Its greatly widespread microporosity confers to the product a considerable resistance to temperature changes, and encourages the natural drying of damp walls and a peculiar durability of natural hydraulic lime.

MECHANICAL PERFORMANCE

RESTAUROMIX ECOCALIX M15 presents good mechanical performance that make it the ideal product for loadbearing masonry, and in case of non-invasive structural repairs of old buildings.

- ideal for bedding of natural stones
- ideal for historical renewal
- ecological product
- good mechanical resistance
- high breathability
- controlled shrinkage

* available on request

AREAS OF APPLICATION

INTERVENTIONS

- Excellent for restoring of masonry indoors, even good outdoors, for civil and commercial use.
- Excellent for remediation of damp walls.
- Ideal for historical renewal, resistant to thermal changes and frost.
- Excellent as bedding mortar of bricks or hollow bricks and natural stones.

SUBSTRATES

- Cement-based and lime-based plasters, aerated concrete
- Can be used on pre-cast or cast in situ concrete, prior a single coat of ISOLPOROX RINFAZZO ECOCALIX
- Hollow or solid bricks, cement blocks.

DO NOT USE

- as waterproofing or 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, non cementitious waterproofing membranes
- with natural stones subject to movements in the presence of dampness

LAYING

The substrate must be clean and mature enough. It must not contain oils, grease, varnishes or waxes. Remove the unsafe material. The surface must be dry.

Mix the bag content in a concrete mixer with water to get a plastic and homogeneous paste.

Apply with trowel on clean support in a single coat.

For high thicknesses and on absorption supports we recommend to use the fiber-reinforced version.



COMPLY WITH THE STANDARD

EN 998-2 M15

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/CE: 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 (28 days) (EN 1015-11) (N/mm²): > 15

Resistance to initial shear (N/mm²): 0.15

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

Chloride ions content (EN 1015-17) %: < 0,1%

Water absorption coefficient
due to capillary action (EN 1015-18): 0,2

Reaction to fire: A1

VALUES AND APPLICATIVE INFORMATION

(AT 23°C AND 50% R. H.)

Water used for mixing: add ≈ 20% of water on a part of RESTAUROMIX ECOCALIX M15

Particle size: < 2 mm

Complementary products: ISOLMIX

Pot life: > 1 hour

Consumption: ≈ 1,7 kg/m² per mm

Start setting time: > 2 hours

End setting time: > 6 hours

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

Proportion of the constituents

Binders: 21-35 %

Aggregates: 60-70 %

Additives 1-4 %

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.