



## ISOLMIX ECOCALIX 500 W ISO26



### ITEM SPECIFICATIONS

Ecological, low thick, breathable, hydrophobic mineral finishing, for indoor and outdoor application, based on pure natural hydraulic lime NHL 3.5, high quality aggregates and special additives, class GP CSII W1.

### THE PRODUCT



FOR INDOOR  
& OUTDOOR  
WALLS



NATURAL  
HYDRAULIC  
LIME-BASED



LIGHT BROWN  
COLOR



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



HYDROPHOBIC



FIBER-REINFORCED  
VERSION AVAILABLE



ON NATURAL  
FIBER INSULATING  
PANELS



25  
kg  
PACKS OF  
25 KG



20  
kg  
PACKS OF  
20 KG



14  
kg  
PACKS OF  
14 KG



10  
kg  
PACKS OF  
10 KG



MECHANICAL  
MIXING



TO BE APPLIED  
WITH IRON TROWEL



TO BE FLOATED  
WITH SPONGE  
TROWEL



USE PERSONAL  
PROTECTIVE  
EQUIPMENT

### TECHNICAL CHARACTERISTICS

ISOLMIX ECOCALIX 500 W is a natural finishing plaster, hydrophobic and eco-friendly made from natural hydraulic lime NHL 3.5, compliant with EN 459-1, special additives and natural super-pozzolanic minerals. Ideal for the construction of green buildings and with a high living comfort.

#### ADHESION AND MECHANICAL RESISTANCE

ISOLMIX ECOCALIX 500 W is a smooth coat that presents high mechanical and adhesion performance, such as to guarantee perfect continuity with the substrate as well as an excellent durability. The product is ideal in the restoration cycles of stone and masonry structures. Being perfectly natural and eco-friendly, ISOLMIX ECOCALIX 500 W is recommended for historical restoration works where it supports the natural drying of damp walls and a durability typical of the natural hydraulic lime.

#### WATER-REPELLENCY AND BREATHABILITY

ISOLMIX ECOCALIX 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. The natural water-repellency of ISOLMIX ECOCALIX 500 W allows to use it directly as a finish both indoors and outdoors whilst ensuring high durability.

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

\* available on request

## AREAS OF APPLICATION

### INTERVENTIONS

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



OUTDOOR COATING



OUTDOOR COATING

### COMPLY WITH THE STANDARD EN 998-1 GP CSII W1

#### 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):  $\geq 3$  N/mm<sup>2</sup>

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

Water absorption coefficient due to capillary action  
(EN 1015-18) Kg/m<sup>2</sup>.min<sup>0,5</sup>: W1

Heat conductivity (W/m\*K) (EN 1745): 0,76

Water vapour permeability ( $\mu$ ) (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  $\approx 22\%$  of water on a part of  
ISOLMIX ECOCALIX 500 W

Pot life:  $\approx 2$  hours

Consumption:  $\approx 1,6$  kg/m<sup>2</sup> per mm of thickness

Minimum thickness: 1 mm

Complementary products: EMULSIONMIX

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

Start setting time:  $\approx 2$  hours

End setting time:  $\approx 4$  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.