



# ISOLMIX RASOCOL CCM ISO32

GP  
CSIV  
W1

CE  
EN 998-1

## ITEM SPECIFICATIONS

Adhesive coating for low thick rendering, highly breathable, hydrophobic, with excellent workability and adhesion, based on cement, hydrated lime and special additives, class GP CSIV W1.

## THE PRODUCT



FOR INDOOR  
& OUTDOOR  
WALLS



HYDRATED  
LIME BASED



CEMENT BASED



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



WHITE  
AVAILABLE



FIBER REINFORCED  
VERSION AVAILABLE



USE PERSONAL  
PROTECTIVE  
EQUIPMENT



PACKS OF  
25 KG



PACKS OF  
20 KG



PACKS OF  
14 KG



PACKS OF  
10 KG



MECHANICAL  
MIXING



TO BE APPLIED  
WITH IRON TROWEL



TO BE FLOATED  
WITH SPONGE  
TROWEL

\* available on request

## TECHNICAL CHARACTERISTICS

ISOLMIX RASOCOL CCM is an adhesive render coat for finishing, with high performance, based on lime and cement. It combines advantages of lime-based products and performance of cement-based ones. It is additivated with silanes and has a moderate content of noble polymers and additives with pozzolanic action. Those make ISOLMIX RASOCOL CCM a very adhesive product, resistant to washout.

### OUTDOOR RESISTANCE

ISOLMIX RASOCOL CCM is a render coat with typical workability and aspect of a lime-based product. It has a pasty and easy-to-lay consistency and a very long pot life. At the same time, it corrects all the flaws of a lime-based product, most due to low mechanical resistance. ISOLMIX RASOCOL CCM is a long lasting product, even outdoor. Highly resistant both to washout and to mechanical stresses. It doesn't get problem facing thermal stresses both with freeze/thaw cycles or with very dry and hot weather.

### BREATHABLE AND WATER-REPELLENT

Despite being a lime-based product, however, it retains a protective function of the building. It is hydrophobic, thanks the addition of silanes that don't interfere with high breathability, typical of lime-based products. This feature helps the natural evaporation out the damp walls and contributes to improve the living comfort. At the same time, the union between water-repellency and high pH give to ISOLMIX RASOCOL CCM a great capacity to fight mold.

- can be applied indoor & outdoor
- high mechanical performance
- highly breathable
- frost-proof
- compatible with paint systems

## AREAS OF APPLICATION

### INTERVENTIONS

Excellent to even out the walls, for rendering indoors, good even outdoors, for civil and commercial use. Should be used for leveling uneven surfaces. Especially suitable for bonding links and to embed reinforcement meshes.

### SUBSTRATES

- Cement-based and lime-based plasters, aerated concrete, fiber cement.
- Can be used on precast or cast in situ concrete.

## DO NOT USE

- on gypsum-based plaster if non treated before with EMULSIONMIX
- on glazed tiles, resin or cement-based 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, in frost environments,
- for swimming pools, cold rooms and for overlaying
- as waterproofing

## LAYING

### AS BONDING LINK

Let stand for a few minutes the mixture before application. Apply the mixture as a classic adhesive with a trowel. Finishing plaster should be applied when the smoothing coat has still a pasty consistency.

### REINFORCEMENT MESH

Spread a layer of ISOLMIX RASOCOL CCM on the substrate, apply a mesh of glass fibers, embed to the support with an additional thin layer of adhesive.



## COMPLY WITH THE STANDARD

EN 998-1 GP CSIV W1

## INDICATIVE DATA OF THE PRODUCT

Color/consistency: white/powder

Solid content %: 100

Bulk density kg/l: approx. 1,6

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):  $\geq 12$  N/mm<sup>2</sup>

Flexural strength after 28 days (EN 1015-11):  $> 4$  N/mm<sup>2</sup>

Initial adhesion after 28 days (EN 1015-12):  $> 0,25$  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<sup>2</sup>.K) (EN 1745): 0,84

Water vapour permeability ( $\mu$ ) (EN 1745): 15/35

Reaction to fire: A1

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

Water used for mixing: add  $\approx 32\%$  of water on a part of ISOLMIX RASOCOL CCM

Pot life:  $\approx 2$  hours

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

Thickness: from 1 to 2 mm

Complementary products: EMULSIONMIX

Application temperature:  $+ 5^{\circ}\text{C} / + 35^{\circ}\text{C}$

Hardened mortar density: 1,8 kg/l

Start setting time:  $\approx 2$  hours

End setting time:  $\approx 5$  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.