



# ISOLMIX RASOCOL 500

## ISO41



### ITEM SPECIFICATIONS

Very high performance adhesive coating, low thick, hydrophobic, suitable for smoothing of every kind of mineral substrates, based on hydraulic binders, polymers and special additives, class GP CSIV W2.

### TECHNICAL CHARACTERISTICS

ISOLMIX RASOCOL 500 is a special and universal coating with very high performance, for smoothing any kind of mineral substrates. Its high-bonded formula gives excellent mechanical performance in all types of environment.

### THE PRODUCT



FOR INDOOR  
& OUTDOOR  
WALLS



PACKS OF  
25 KG



CEMENT  
BASED



PACKS OF  
20 KG



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



PACKS OF  
14 KG



FIBER-REINFORCED  
VERSION AVAILABLE



PACKS OF  
10 KG



WHITE  
AVAILABLE



MECHANICAL  
MIXING



HYDROPHOBIC



TO BE APPLIED  
WITH IRON TROWEL



QUICK  
COMMISSIONING



TO BE FLOATED  
WITH SPONGE  
TROWEL



SUITABLE  
FOR RENDERING OF  
INSULATING PANELS



USE PERSONAL  
PROTECTIVE  
EQUIPMENT

### HIGH ADHESION

ISOLMIX RASOCOL 500 represents the ideal solution for smoothing civil finishes on render, concrete, insulating panels as EPS or rockwool; for restoring façades previously finished with mineral finishes, paints or acrylic finishes well bonded to the substrate, mineral wood panels (as ERACLIT), fibroce-ment panels, foam concrete blocks. Its high adhesion allows applications even as bedding/adhesive mortar for any kind of blocks.

### HYDROPHOBIC

ISOLMIX RASOCOL 500 presents excellent features for protection of structures. In particular for concrete structure and walls subject to driving rain, and unfavourable exposure. Its high hydrophobic degree makes ISOLMIX RASOCOL 500 the ideal substrate for materials that require low water absorption.

### WORKABILITY

Once mixed with water, ISOLMIX RASOCOL 500 shows a creamy and light texture, with a long lasting mixture but fast drying once applied.

- on any kind of substrate
- hydrophobic
- high performance product
- for low thick rendering
- to embed reinforcement meshes
- very high adhesion
- to renew finished walls
- excellent workability
- quick commissioning

\* available on request

## AREAS OF APPLICATION

### INTERVENTIONS

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

In the fiber-reinforced version, it is the ideal solution to avoid the occurrence of cracks in particularly deteriorated substrates. For smoothing concrete.

### SUBSTRATES

Cement-based and lime-based plasters, aerated concrete, concrete facades, pre-cast concrete or cast in situ concrete, fiber cement, EPS, rock wool, mineralized wood, silicate paints, colored finishes well anchored to the substrate, calcium silicate boards, tiles.

## DO NOT USE

- on gypsum-based plaster if non treated before with EMULSIONMIX
- on glazed tiles, resin tiles, cementitious elastic waterproofing, flexible substrates, 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
- for swimming pools
- as waterproofing

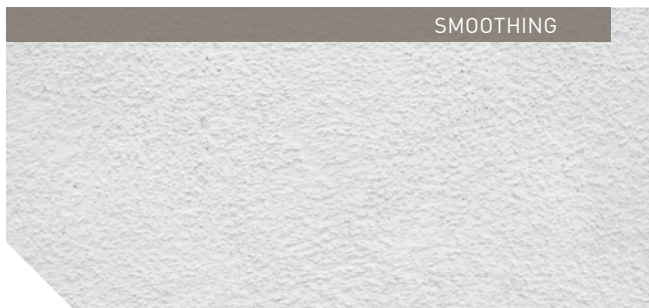
## LAYING

### AS BONDING LINK

Let stand for a few minutes the mixture before application. Apply the mixture as a classic adhesive with an iron or plastic trowel. Finishing plaster should be applied when the smoothing coat has still a pasty consistency and within 2 hours since mixing. If you want to leave it exposed, you can float with a sponge trowel, by slightly wetting the surface.

### REINFORCEMENT MESH

Spread a layer of ISOLMIX RASOCOL 500 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 W2

## 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): > 30 N/mm<sup>2</sup>

Flexural strength after 28 days (EN 1015-11): > 7,5 N/mm<sup>2</sup>

Initial adhesion after 28 days (EN 1015-12): > 0,7 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>: 0,07

Heat conductivity (W/m\*K) (EN 1745): 0,93

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

Reaction to fire: A1

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

Water used for mixing: add from 28 to 30% of water on a part of ISOLMIX RASOCOL 500

Pot life: ≈ 1 hour

Consumption: 1,5 kg/m<sup>2</sup> per mm of thickness

Thickness: from 1 to 3 mm

Complementary products: EMULSIONMIX - ISOLMIX  
ACSIPOSI - ISOLMIX PITTURA  
ACSIPOSI

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

Start setting time: ≈ 4 hours

End setting time: ≈ 7 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.