



# ISOLVASCHE MONOFLEX VAS04



## ITEM SPECIFICATIONS

One-component, waterproof, cementitious mortar with high elasticity, for protecting and waterproofing of tanks, sinks, swimming pools, balconies and terraces, based on accurately selected sands, special cements, resins and various additives, class C-PI.

## THE PRODUCT



FOR WALL & FLOOR



PACKS OF 14 KG



FOR INDOOR & OUTDOOR



PACKS OF 10 KG



CEMENT BASED



MECHANICAL MIXING



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



TO BE APPLIED WITH TROWEL



ELASTIC

ELASTIC MORTAR



USE PERSONAL PROTECTIVE EQUIPMENT



WATERPROOF



FOR ALL CLIMATES

\* available on request

## TECHNICAL CHARACTERISTICS

ISOLVASCHE MONOFLEX is an elastic, one-component, cementitious mortar. Based on resins, additives and charges of quartz. It is ideal for waterproofing and protection of structures, because it presents not only a strong barrier effect but also very high water-repellency values. These features combined with high adhesion to the substrate make it the ideal product for waterproofing both vertical and horizontal surfaces made of mortar or concrete. The works performed thanks to ISOLVASCHE MONOFLEX are safe and long lasting.

The most important feature of ISOLVASCHE MONOFLEX is high performance of crack-bridging that means to resist to significant damages. This characteristic is combined to a strong tenacity to make the product elastic but not soft. In this way the material does not risk accidental deterioration subsequent to laying as it can bear quite well scratches and impacts.

### EASY LAYING AND FAST DRY

ISOLVASCHE MONOFLEX has a fast dry allowing to keep safe building site from atmospheric agents. At the same time it allows laying of tiles in the next days. Despite the high content of powder polymer, the product presents a very low viscosity and stickiness that make it easy and safe in laying (you just need to dilute with water) with a very close surface.

- elastic membrane
- one-component
- very high adhesion
- applicable in overlaying
- excellent workability
- safe management
- very high hydrophobicity
- strong & high resistance to damages
- quick commissioning

## AREAS OF APPLICATION

### INTERVENTIONS

- Waterproofing swimming pools, reinforced concrete tanks, reservoirs and pipes of hydroelectric power plants.
- Waterproofing balconies, terraces, bathrooms.
- Protection of reinforced concrete, prefabricated structures and structural components subject to deformation under load.
- Protection of plasters, walls in contact with sea water, highway viaducts, dams and tunnels.

### SUBSTRATES

- cement-based plasters, plasterboard, EIFS, mineral renders
- cement-based waterproofing
- prefabricated panels
- pre-existing ceramic floors
- stoneware, terracotta and klinker, etc.

## DO NOT USE

- on epoxy or flexible primers, on substrates subject to continuous rising damp, on paints or waxed products
- on linoleum, PVC, wood, polyester membranes, bituminous membranes, rubber, metallic surfaces (gutters, flashings, sibilings, etc.)

## LAYING

Check that the substrate is clean, free from oils and quite robust. If necessary, remove the unsafe material. In the case that the substrate is not regular (also to avoid excessive consumption), it is recommended to regularize the substrate with RESTAURROMIX TX RASO 20/50, or if necessary, using RESTAURROMIX TX 40/60.

### APPLICATION WITH IRON TROWEL

Apply with iron trowel a first coat, lay the fiber mesh when the mortar is still fresh and press it to embed. When the mortar is dry (the next day), apply the second coat. It is recommended to use a total thickness of 2 mm, never exceed to 3 mm.



## COMPLY WITH THE STANDARD

EN 1504-2

## INDICATIVE DATA OF THE PRODUCT

Color/consistency: grey/powder

Solid content %: 100

Bulk density kg/l: approx. 1,1

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

Dilution: Add water until to get a homogeneous paste and easily brushable (≈ 26%)

Pot life: 60 minutes

Consumption: 1,25 kg/m<sup>2</sup> per mm of thickness

Complementary products: ISOLPLANO - ISOLCOLL

Application temperature: +5°C /+ 35°C

Ideal temperature: + 20°C

## VALUES OF THE FINAL PERFORMANCE

Initial adhesion after 28 days (EN 14891-A.6.2): ≥ 0,5 N/mm<sup>2</sup>

Adhesion after heat action (EN 14891-A.6.5): ≥ 0,5 N/mm<sup>2</sup>

Adhesion after water immersion (EN 14891-A.6.3): ≥ 0,5 N/mm<sup>2</sup>

Adhesion after freeze/thaw cycles (EN 14891-A.6.6): ≥ 0,5 N/mm<sup>2</sup>

Adhesion after immersion in basic water  
(EN 14891-A.6.9): ≥ 0,5 N/mm<sup>2</sup>

Crack-bridging ability at +20°C (EN 14891-A.8.2): ≥ 0,75 mm

Impermeability to water under pressure  
(1,5 bar, 7 days, positive thrust) (EN 14891-A7): no penetration

CO<sub>2</sub> permeability (EN 1062-6): > 50 m

Water vapour permeability (EN 7783-1) class I: S<sub>D</sub> < 5 m

Capillary absorption and water permeability  
(EN 1062-3) (kg/m<sup>2</sup>\*h<sup>0,5</sup>): < 0,1

Measurement of bond strength by pull-off (EN 1542): ≥ 1 MPa

Reaction to fire: A1

## 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.