



ISOLVASCHE ELASTIC VAS05

C-PI
MC-IR
UNI EN
1504-2

CE
EN 1504-2

ITEM SPECIFICATIONS

Two-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-MC-IR.

THE PRODUCT



FOR WALL
& FLOOR



WATERPROOF



FOR INDOOR
& OUTDOOR



MECHANICAL
MIXING



CEMENT BASED



TO BE APPLIED
WITH TROWEL



TO BE APPLIED
AT TEMPERATURE
FROM 5°C TO 45°C



USE PERSONAL
PROTECTIVE
EQUIPMENT



WHITE
AVAILABLE



TWO-COMPONENT



ELASTIC

ELASTIC MORTAR

* available on request

TECHNICAL CHARACTERISTICS

ELASTICITY AND SOLID ADHESION

These features make ISOLVASCHE ELASTIC extremely efficient because it can follow the support without collapsing even in presence of high stresses. In the case of a substrate subject to micro-cracks, ISOLVASCHE ELASTIC has a good crack-bridging ability both static and dynamic, even at very low temperatures.

ISOLVASCHE ELASTIC is the result of a long research about method and products on large scale, and of a long and accurate experimentation realized to make the installation easy and secure. This easiness and the exceptional speed of application contribute to overthrow the cost of manpower. ISOLVASCHE ELASTIC assures the success of work not only for its technical characteristics but also for the safety of its application. If applied in two coats (with fiber-glass mesh in between) in thickness of 2 mm as recommended, it turns out to be the most reliable system for waterproofing especially compared with film systems.

WATERPROOF

Thanks to its high hydrophobicity, ISOLVASCHE ELASTIC guarantees an absolute impermeability even in thicknesses up to 2 mm of terraces, balconies, etc.

KERAMICA

AREAS OF APPLICATION

INTERVENTIONS

- Waterproofing swimming pools, reinforced concrete tanks, reservoirs and pipes of hydroelectric power plants.
- Waterproofing balconies, terraces, bath rooms.
- 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, mineral renders, prefabricated panels, pre-existing ceramic floors, stoneware, terracotta and klinker, etc.

DO NOT USE

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

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 RESTAUROMIX TX RASO 20/50, or if necessary, using RESTAUROMIX 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 C-PI-MC-IR

INDICATIVE DATA OF THE PRODUCT

Color/consistency:	grey/ two-component liquid+powder
Solid content %:	100
Bulk density kg/l:	approx. 1,4
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

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

Dilution:	add 6 litres of B component for each pack of 25 kg
Pot life:	40 minutes
Consumption:	1,5 kg/m ² per mm of thickness
Application temperature:	+8°C /+ 45°C
Ideal temperature:	+ 20°C

VALUES OF THE FINAL PERFORMANCE

Initial adhesion after 28 days (EN 14891-A.6.2):	≥ 0,5 N/mm ²
Adhesion after heat action (EN 14891-A.6.5):	≥ 0,5 N/mm ²
Adhesion after water immersion (EN 14891-A.6.3):	≥ 0,5 N/mm ²
Adhesion after freeze/thaw cycles (EN 14891-A.6.6):	≥ 0,5 N/mm ²
Crack ability at +20°C (EN 14891-A.8.2):	≥ 0,75 mm
Crack ability at -20° (EN14891-A.8.3):	≥ 0,75 mm
Adhesion after contact with basic water (EN 14891-A.6.9):	≥ 0,5 N/mm ²
Adhesion after contact with hydrochloric water (EN 14891-A.6.7):	≥ 0,5 N/mm ²
Impermeability to pressure water (1,5 bar, 7 days, positive thrust) (EN 14891-A.7):	no penetration
CO ₂ permeability (EN 1062-6):	> 50 m
Water vapour permeability (EN 7783-1) class I:	S _D < 5 m
Capillary absorption and water permeability (EN 1062-3) (kg/m ² *h ^{0.5}):	< 0,1
Measurement of bond strength by pull-off (EN 1542):	≥ 1,5 MPa traffic
Measurement of bond strength by pull-off (EN 1542):	≥ 0,8 MPa no traffic
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.