



ISOLVASCHE OSMO 300 VAS08



ITEM SPECIFICATIONS

Osmotic waterproof mortar, resistant both in positive and negative hydrostatic pressure, highly hydrophobic, anti-aggressive, for tanks, sinks, non-toxic, based on selected sands, special cements and various additives, complying with the standard EN 1504-2.

THE PRODUCT



FOR WALL
& FLOOR



WATERPROOF



FOR INDOOR
& OUTDOOR



WHITE AVAILABLE



CEMENT BASED



MECHANICAL
MIXING



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



TO BE APPLIED
WITH FLAT BRUSH



OSMOTIC



USE PERSONAL
PROTECTIVE
EQUIPMENT

* available on request

TECHNICAL CHARACTERISTICS

EASY LAYING IN SITU

ISOLVASCHE OSMO 300 is a mortar for waterproofing of underground or above ground structures, easy to install, applicable with a trowel, a roller or a brush. With excellent workability, ISOLVASCHE OSMO 300 presents a thixotropy that allows even a vertical installation with no casting problem.

WATERPROOFING BY OSMOSIS

The mortar has been design to waterproof using osmosis principle. Osmosis is the same natural phenomenon that plants use to feed themselves from soil: it allows the salts to move from a higher concentration to a lower one. In this way, the salts penetrate into the substrate that needs to be waterproofed, filling the substrate holes and avoiding dampness to escape, once the mortar is dry.

UV RAYS AND AGING RESISTANCE

The effectiveness of ISOLVASCHE OSMO 300 and its purely mineral composition give it an excellent resistance to aging.

HYDROPHOBIC AND EXPANSIVE

ISOLVASCHE OSMO 300 shows a good hydrophobicity and a natural expansion tendency, making it extremely efficient against cracking.

KERAMICA

AREAS OF APPLICATION

INTERVENTIONS

- Waterproofing in positive and negative thrust for retaining walls, reinforced concrete tanks, reservoirs and pipes of hydroelectric power plants, counter-ground walls, canalizations.
- Protection of plasters, highways' via ducts, dams and tunnels.
- Waterproofing in case of rising damp.

SUBSTRATES

Cement-based plasters, concrete, mineral renders, pre-fabricated panels.

DO NOT USE

- on epoxy or flexible substrates, on varnished or waxed product
- on plasterboards
- on linoleum, PVC, wood, polyester membranes, bituminous membranes, rubber, metallic surfaces (gutters, flashings, sibilings, etc.)
- on friable substrates

LAYING

Check that the substrate is clean, free from oils and quite robust. If necessary, remove material not properly anchored to the substrate.

For a good laying, it is recommended to wet the surface until saturation, allowing so the mortar to penetrate by osmosis. Mix with a drill helix adding small quantity of water step by step until you get a smooth and homogeneous paste. Avoid whipping air.

Let stand the mixture a few minutes and re-mix it before application. Apply two coats with roller or brush.

APPLYING WITH FLAT BRUSH



APPLYING WITH BRUSH



COMPLY WITH THE STANDARD

European Norm 1504-2

INDICATIVE DATA OF THE PRODUCT

Color/consistency: grey-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: 6 months in dry and ventilated environment

Packaging: 20 kg

VALUES OF THE FINAL PERFORMANCE

CO₂ permeability (EN 1062-6): S_D > 50 m

Water vapour permeability (EN 7783-1) class I: S_D > 5 m

Capillary absorption and water permeability (EN 1062-3) (Kg/m²*h^{0,5}): 0,1

Measurement of bond strength by pull-off (EN 1542) (N/mm²): ≥ 1

Reaction to fire: A1

Pressure resistance of hydraulic load (thickness 1 mm): 2 atm

Pressure resistance of hydraulic load (thickness 2 mm): 5 atm

Resistance to counterthrust (thickness 1 mm): 2 atm

Resistance to counterthrust (thickness 2 mm): 5 atm

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

Water used for mixing : Add water until the mixture is easily brushable

Pot life: ≈ 60 minutes

Consumption: 2 kg/m² per mm of thickness

Application temperature: + 5°C /+ 45°C

Ideal temperature: + 20°C

Minimum thickness: 1 mm

Maximum thickness: 2 mm

Ready to use: ≈ 10 days

PH of the mixture: > 12

Max. grain-size: < 0,5 mm

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.