



Malta Osmotica

Cementitious mortar waterproof osmotic-action

CODE 4010



COLOUR White or Grey powder

PACKAGING Paper sacks kg 25

STORAGE 12 months at least in its original packaging on wood pallet in dry place far from humidity.

CHARACTERISTICS

MALTA OSMOTICA (osmotic mortar) is a waterproof cementitious mortar bi-hermetic, resistant to aggressive water for thrust and counter-thrust works, composed of cement, selected aggregates in different granulometries and specific admixtures.

APPLICATION FIELDS

Waterproofing in thrust and counter-thrust of walls, cellars, graves for elevators shaft, basement spaces; structures for water containment, canals, tanks, pools, slabs, plinths and foundation walls. Concretes cured for at least one month, cement blocks masonries, solid and mixed bricks masonries.

APPLICATION PROCEDURE

SUBSTRATE PREPARATION

Substrates must be clean, continuous and accurately soaked to saturation, so it is recommended to clean previously the laying surface, removing the detaching parts and any eventual oil and/or form release agents residuals, through

washing under pressure.

PRODUCT PREPARATION

Mix one sack of MALTA OSMOTICA (osmotic mortar) kg 25 with lt 6,0-6,5 of clean water in mixer at low speed, until you obtain a semi-fluid, homogeneous, free lump paste. Let it stand for 5/10 minutes and then mix again, not adding water.

PRODUCT APPLICATION

Wet all the surfaces abundantly with clean water, soak to saturation, apply the mixture with trowel and smooth with brush or scrubbing brush, in two coats at least, the second one after the first one's gripping. It is also possible to smooth before the application of coloured thick-layered coatings; in this case it is suggested to wet after 24 hours from the application, to let the product complete the stabilization cycle, then cure it.

The product can be also applied through spray, just increasing the water quantity for the mixture. In case of flooring employ cover after 12 hours at least and no later than 24 the osmotic mortar with a light sand and cement render and a screed of 4-5 cm at least.

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CONSUMPTION

About 1,7 kg/mq per mm of thickness.

TECHNICAL DATA

PRODUCT IDENTIFICATION DATA

Appearance	Powder
Colour	Grey or White
Granulometry	Diameter max 0,3mm
Hazard classification	Irritating

PRODUCT APPLICATIVE DATA

Water for mixture	6-6,5 lt/sack 25 kg
Consistency	semi-fluid
Rest Time	5-10 minutes
Pot life	50 minutes
Thickness min	1 mm
Thickness max	2 mm
Working time	10 days in good ventilation conditions

FINAL PERFORMANCE

Bonding on concrete	> 1 N/mm ²
Pressure strenght with hidraulic load (thickness 1 mm)	> 1,5 atm
Counter-thrust strenght (thickness 1 mm)	> 1,5 atm

WARNINGS

Apply the product at temperatures between +5°C and +30°C.

Wet the surfaces to treat soak to saturation with clean water.

Wet the mortar applied after 24 hours to complete the stabilization cycle if it is faced or prepared for coloured finishings.

Do not apply at the sunlight, on overheated surfaces or in strong wind conditions.

Do not apply on frozen substrates, or during thawing or frost risk in the following 24 hours.

Protect the surfaces treated for the first 6/7 hours from the rain.

Ensure the ventilation until the complete drying, to avoid a possible condensation.

If the concrete is applied with metal formworks or smooth panels, mix the osmotic mortar with 1 part of Top Latex in 5 lt of water.

For interiors, to avoid condensation phenomenon, it is suggested the covering with the dehumidifying plaster IDROSTOP and finished with the mineral coating INTOCOLOR of Plastimur s.r.l.

The osmotic mortar contains cement which in case of contact with sweat can cause irritations; use protective glasses and gloves. For further information about the safety of the product consult the safety sheet.

ITEM SPECIFICATION

Waterproofing in thrust and counter-thrust of walls, cellars, graves for elevators shaft, basement spaces; structures for water containment, canals, tanks, pools, slabs, plinths and foundation walls. Concretes cured (at least one month), cement blocks masonries, solid and mixed bricks masonries; realized with MALTA OSMOTICA is a waterproof cementitious mortar bi-hermetic, resistant to aggressive water for thrust and counter-thrust works, composed of cement, selected aggregates in different granulometries and specific admixtures. Plastimur s.r.l., with an average consumption of 1,7 kg/mq per mm of thickness.