

# INTOMARC

## LIME AND CEMENT BASED FIBRE-STRENGTHENED PLASTER

code 9700010

### DESCRIPTION

INTOMARC is a premixed plaster composed of plumbing product and aerial binders, selected siliceous sand, fibres and specific additives to improve its malleability and adhesion.

Thanks to its particular elastic characteristics and absence of shrinkage, INTOMARC is particularly suitable for the reconstruction of old portions of walls, splays, and walls under window sills, where it is necessary to restore the planarity of the surfaces before varnishing.

### INSTRUCTIONS FOR USE

Can be applied as under plaster to any type of walling in brick, stone, raw concrete and prefabricated panels of smooth concrete, on condition that they are rendered in advance.

INTOMARC is a primer and must be painted over with a top coat finishing system.

### TECHNICAL SPECIFICATIONS

- Type of Binder: Portland cement, Aerial lime
- Minimum thickness: 0.5-1cm
- Maximum thickness per coat: 1-1.5 cm
- Appearance: grey powder
- Maximum size of inert substances: 3mm
- Density of fresh mortar: ca 1.5 kg/l
- pH of mixture: >11
- \* Classification per UNI EN 998-1: GP
- \* Flame reaction EN13501-1: Class A1
- \* Compression resistance EN 1015-11: CS II
- \* Water absorption EN 1015-18: W0
- \* Adhesion EN 1015-12: 0.3 N/mm<sup>2</sup> (FP) B
- \* Steam permeability coefficient EN 1015-19:  $\mu$  20
- \* Thermal conductivity ( $\lambda_{10,dry}$ ) EN 1745:2002: 0.5 W/m<sup>2</sup>·K
- \* Absolute density hardened mortar EN 1015-10: 1400 kg/m<sup>3</sup>

Desiccation depends greatly on the conditions of environmental temperature and humidity of the support; in any case wait at least 28 days for complete ageing. If necessary, carry out a (hygrometric check) of the plaster.

### PREPARING THE SURFACE

The base must have the following requisites:

- Thick and indeformable, free of detached parts, broken bricks or panels and oil and grease
- Homogeneous absorption.
- Rough, free of dust and dirt
- Free of saline emergence
- With surface temperature exceeding + 5° C
- Capillary rise phenomena must not be present.

If this is not the case, take action to remove the cause or if necessary make use of suitable materials.

- All absorbent surfaces should be thoroughly moistened in advance with water.

- Surfaces which are particularly smooth and not very absorbent (e.g. smooth concrete or stone) must be treated with a jet, using NEPTUNUS ADDITIVO DI AGGANCIO code 0700250, mixing 25 kg of INTOMARC with 5l of the

coupling additive.

- Remove all possible causes of water infiltration or stagnation.

- In the case of old mixed masonry which is particularly fragile or unsound, it is advisable to apply electro-soldered mesh of 6mm diameter, fixing it to the masonry at points in order to strengthen the surface, and submerging it in the plaster at one third of its thickness.

- Furrows for systems or any holes must be sealed with the same plaster at minimum 4-5 days in advance.

- Levelling guides and edge protectors should be applied using INTOMARC for the gluing.

- INTOMARC should not be applied to plaster supports and varnished supports.

In the case of thermo-bricks (Poroton), lightened blocks (Gasbeton) or mineralized wood fibre panels (Celenit), give the support adequate preparation (mesh, rendering etc.)

### APPLICATION INSTRUCTIONS

Conditions of the environment and the support:

Temperature of environment: Min. +5° C / Max. +35° C

Temperature of support: Min. +5° C / Max. +35° C.

- During the application stage protect the plaster from strong winds, direct sunlight and new rain.

- Do not apply to frozen or thawing surfaces.

- Follow the technical information sheet instructions strictly.

Application procedure:

- Tools: trowel, levelling staff in aluminium or wood.

- Dilution: 4 litres per 25kg sack.

The product is prepared in a cement mixer, by adding in the following order 2/3 water, approximately 4 litres for a 25kg sack, all the dry product in the mixing stage and the remaining water, up to the desired consistency (plastic appearance).

After adequately moistening the support, apply INTOMARC by hand with a trowel, working upwards and with a maximum thickness of 1-1.5cm per coat, then level with an aluminium or wood levelling staff.

For greater thicknesses apply fresh coats to fresh coats, waiting for the previous coat to harden.

After 24 hours, tidy up the surfaces by scraping them with a plane.

Comply with the following times, according to the type of finish to be applied:

a) If a fine, civil type mortar finishing like fine lime paste is to be applied, apply it using the fresh on fresh technique, waiting no more than 3 days after plastering in order to prevent detachment phenomena. If necessary, moisten the plaster with water beforehand.

b) If a thick covering of the VENEZIAGRAF, ACRISYL INTONACHINO, MARCOSIL INTONACHINO etc. type is to be applied, wait for the complete ageing of the plaster (at least 28 days) and if necessary measure the humidity of the support.

- Mixing water: 16%

- The mixture can be worked for at least 6-8 hours

- During the process, do not add any more water to reduce the viscosity.

- Tools must be cleaned using water immediately after use.

- Application rate: 14 kg/sq. m. per cm thickness applied.

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## TINTING

The product is available in the colour grey.

## STORAGE

Maximum storage temperature: +30 °C

Minimum storage temperature: +5 °C

Keep in a dry place away from dampness.

Stability in the original unopened containers and under appropriate temperature conditions: 1 year.

## SAFETY RULES

EU limit value (Dir. 2004/42/EC) not applicable.

Irritating to respiratory system and skin / risk of serious damage to eyes / may cause sensitization by skin contact / keep out of reach of children / do not breathe dust / avoid contact with skin and eyes / in case of contact with eyes, rinse immediately with plenty of water and seek medical advice / wear suitable protective clothing and gloves / if swallowed, seek medical advice immediately and show this container or label / do not empty into drains.

The product must be transported, used and stored in accordance with the standards in force regarding hygiene and safety; after use, do not litter, let residues dry out completely and treat them as special waste. Consult the safety sheet for additional information.

## SPECIFICATION ITEM

Fibre-strengthened base plaster, composed of plumbing product and aerial binders, selected siliceous sand, fibres and specific additives to improve its malleability and adhesion, GP classified UNI EN 998-1

INTOMARC is suitable for any type of masonry in brick, stone, raw concrete and prefabricated smooth concrete panels, on condition they are rendered in advance.

In addition, because of its particular elastic characteristics and the absence of shrinkage, it is particularly recommended in the reconstruction of old portions of walls, splay, and walls under window sills, where it is necessary to restore the planarity of the surfaces before varnishing or covering them later.

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