

# BIOMARC FINITURA DEUMIDIFICANTE

LIME BASED ECOLOGICAL WATER-RESISTANT FINISHING PLASTER

code 9710300

## DESCRIPTION

BIOMARC FINITURA DEUMIDIFICANTE is specifically used for the final levelling phase in the BIOMARC DEUMIDIFICANTE dehumidifying system for the restoration of walls affected by moisture and the formation of saltpetre.

It creates a layer with very high water vapour permeability, along with good water repellency, excellent mechanical strength and weatherability.

BIOMARC FINITURA DEUMIDIFICANTE [classified CS I (EN 998-1)] is made of pure and natural raw materials like natural hydraulic lime (NHL), non-ground alluvial aggregate void of silt and soluble salts, and are resistant to salts, weathering, freezing and are non brittle. BIOMARC FINITURA DEUMIDIFICANTE has no carbonate sands.

The complete bio-compatibility and the recycling as aggregate make BIOMARC FINITURA DEUMIDIFICANTE ideal for bio-construction jobs and for the restoration of historic/artistic buildings.

## INSTRUCTIONS FOR USE

Can be applied to surfaces composed of BIOMARC RINZAFFO DEUMIDIFICANTE / BIOMARC INTONACO DEUMIDIFICANTE.

Cannot be applied to gypsum substrates or over old paint.

Can be covered with lime or silicate based siloxane paints.

## TECHNICAL SPECIFICATIONS

- Binder: Natural hydraulic lime NHL 3.5 (EN 459-1), bio-sands (EN 13139).

- Appearance: pinkish beige powder

- Max. aggregate particle size: 0.6 mm

- Minimum thickness: 3 mm

- EN 1015-6 bulk density of fresh mortar:  $1.55 \pm 0.05$  kg/L

- EN 13501-1 reaction to fire: Class A1

- EN 1015-11 compressive strength: CS I

- EN 1015-18 capillary water absorption: W0

- Drying very much depends on the temperature and humidity levels of the air and the substrate; in any case, the product should not be painted over for at least 20 days, and not before it has been determined to be perfectly dry (no humidity stains).

## PREPARING THE SURFACE

Walls:

- The wall must be completely without plaster.

- Remove the existing layer of plaster about a half metre past the area affected by the moisture.

- Remove any loose areas and/or salt deposits with a wire brush and rinse with water, preferably using a pressure washer.

- Wet the wall.

- Apply BIOMARC RINZAFFO DEUMIDIFICANTE when the substrate is damp, but dry on the surface.

- Finish the surface by applying BIOMARC INTONACO DEUMIDIFICANTE rendering plaster and BIOMARC FINITURA DEUMIDIFICANTE finishing plaster.

## APPLICATION INSTRUCTIONS

- Conditions of the environment and the substrate:

Air temperature: Min. +8 °C / Max. +35 °C

Relative humidity of the air: <75%

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

- In order to improve the adhesion of BIOMARC FINITURA DEUMIDIFICANTE, lightly moisten and roughen the plaster to be finished.

- Avoid application in the presence of strong wind, fog, direct sunlight or light rain.

- Do not apply to frozen or thawing surfaces.

- Tools: Apply with a steel putty knife or trowel and smooth with a plastic or sponge plastering float.

- Mixing: with 27% water.

- Preparation: Pour  $\frac{3}{4}$  of the total amount of water in a container and steadily add the product while continuously mixing to avoid the formation of lumps. Mix until a homogenous mixture is obtained then add the remaining amount of water. Mix and combine in a cement mixer for 2-3 minutes at low rpm until a homogenous mixture without lumps is obtained.

- Number of coats: 1. Spread the product by crossing the direction of application. After solidifying, smooth with a plastic or sponge plastering float.

- Cleaning of the tools: with water immediately after use.

- Approximate spreading rate: 1.2 Kg/m<sup>2</sup> per mm of thickness.

## TINTING

The product is available in pinkish beige.

## STORAGE

Maximum storage temperature: +30 °C

Minimum storage temperature: +5 °C

Keep in a dry place away from sources of moisture.

Stability in the original closed containers stored at suitable temperatures: 1 year.

## SAFETY RULES

Does not apply to directive 2004/42/EC.

Irritant to the eyes, respiratory system and skin. Keep out of the reach of children. Do not breathe dust. Avoid contact with the eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and protective clothing. 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 data sheet for additional information.

## SPECIFICATION ITEM

Used on prepared surfaces for the restoration of damp areas as part of a dehumidifying system composed of

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BIOMARC RINZAFFO DEUMIDIFICANTE [classified GP/CS II (EN 998-1)], BIOMARC INTONACO DEUMIDIFICANTE [classified R/CS II (EN 998-1)], BIOMARC FINITURA DEUMIDIFICANTE [classified CS I (EN 998-1)] made of pure natural hydraulic lime, highly pure natural pozzolanic ash and Roman lapilli, non-ground alluvial aggregate void of silt and soluble salts.

Average product consumption per mm of applied thickness:

BIOMARC RINZAFFO DEUMIDIFICANTE 1.5 Kg/m<sup>2</sup>;

BIOMARC INTONACO DEUMIDIFICANTE 1.2 Kg/m<sup>2</sup>;

BIOMARC FINITURA DEUMIDIFICANTE 1.2 Kg/m<sup>2</sup>.

Supplying and application of the material € ..... per m<sup>2</sup>.

*SAN MARCO GROUP guarantees that the information herein is provided to the best of its technical and scientific knowledge and based on its experience; nonetheless, the company may not be held liable for the results obtained using these products, as application conditions are beyond its control. It is recommended to always make sure that the product is suited to each specific instance. The present sheet voids and replaces any previously existing sheets. For further technical information call the technical service +39 041 4569322.*