

BIOMARC RINZAFFO DEUMIDIFICANTE

NATURAL LIME BASED ANTI-SALT GRABBING HOLD PRIMER

code 9710100

DESCRIPTION

BIOMARC RINZAFFO DEUMIDIFICANTE is specific for the treatment of salt stains, before the application of the BIOMARC DEUMIDIFICANTE dehumidifying system for the restoration of walls affected by moisture and the formation of saltpetre.

BIOMARC RINZAFFO DEUMIDIFICANTE [classified GP/CS II (EN 998-1)] is made of pure and natural raw materials like natural hydraulic lime (NHL), pozzolanic ash and Roman lapilli, non-ground alluvial aggregate void of silt and soluble salts, and are resistant to salts, weathering, freezing and are non brittle.

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

INSTRUCTIONS FOR USE

BIOMARC RINZAFFO DEUMIDIFICANTE can be used on all types of internal and external wall surfaces (brick, tuff, stone, rock, building block), provided it has not been plastered.

- It cannot be used on gypsum, bituminous or water-proofing recess formers, over old synthetic paints or on substrates that are non-absorbent, incohesive or friable and where there are infiltrations of water or standing water. BIOMARC RINZAFFO DEUMIDIFICANTE is a base coat and must be covered with the BIOMARC DEUMIDIFICANTE dehumidifying system.

The BIOMARC DEUMIDIFICANTE system can be covered with lime or silicate based siloxane paints.

TECHNICAL SPECIFICATIONS

- Binder: Natural hydraulic lime NHL 3.5 (EN 459-1), natural pozzolanic ash and Roman lapilli (EN 197-1), bio-sands for mortars (EN 13139).

- EN 1015-6 bulk density of fresh mortar: 1.80 kg/L approx.

- Appearance: pinkish beige powder

- Minimum thickness: 5 mm

- Max. aggregate particle size: 3 mm

* EN 998-1 classification: GP

* EN 13501-1 reaction to fire: Class A1

* EN 1015-11 compressive strength: CS II

* EN 1015-18 capillary water absorption: Class W1 after 90 minutes

* EN 1015-18 water penetration: n. d.

* EN 1015-12 adhesion: ≥ 0.6 N/mm² (FP) B

* EN 1015-19 water vapour permeability coefficient: $\mu = 15$

* EN 1745 thermal conductivity (λ_{10} , dry): 0.78 W/mK (tabulated value)

Drying very much depends on the temperature and humidity levels of the air and the substrate; in any case, wait at least 3 days for complete dryness. If necessary, carry out a hygrometric check of the plaster.

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 (see application instructions).

- 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

During periods of heat and high winds, the plaster should be protected from rapid evaporation by dampening it with water during the first few days.

- When prepared, the mixture should be completely used before a new batch is made.

- Manual application method:

Mix BIOMARC RINZAFFO DEUMIDIFICANTE in a cement mixer with 20% water (5 litres water for a 25 kg bag). Mix until a homogeneous mortar with the desired consistency is obtained.

Apply BIOMARC RINZAFFO DEUMIDIFICANTE manually with a trowel, and ensuring that the wall is completely covered at a thickness of at least 5 mm.

- Mechanical application method:

Make a homogeneous mortar suitable for rendering by adjusting the water flowmeter to approximately 20%.

Apply BIOMARC RINZAFFO DEUMIDIFICANTE with a plastering machine, and ensuring that the wall is completely covered at a thickness of at least 5 mm.

- Let age for at least 3 days before applying BIOMARC INTONACO DEUMIDIFICANTE and BIOMARC FINITURA DEUMIDIFICANTE.

- Product consumption: 1.5 Kg/m² per mm of thickness. A 25 kg bag can cover approximately 3 - 4 m² at a thickness of 5 mm.

Approximate spreading rate: 7-8 Kg/m² for a thickness of 5 mm.

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.

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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 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/m²;
BIOMARC INTONACO DEUMIDIFICANTE 1.2 Kg/m²;
BIOMARC FINITURA DEUMIDIFICANTE 1.2 Kg/m².

Supplying and application of the material € per m².

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