



CALCEPURA

La tradizione della calce.

DEUMIDIFICANTE

natural hydraulic lime material NHL 3.5

CALCEPURA DEUMIDIFICANTE IS A FIBERED PLASTER MORTAR SPECIFICALLY FOR INTERIOR OR EXTERIOR PLASTERING. IN FINE AND HISTORICALLY VALUABLE CONSTRUCTION - AND IN GREEN BUILDING, IT IS USED FOR RESTORATION OF FACADES/EXTERIOR SURFACES/ROOMS SUBJECTED TO SEVERE MOISTURE. MANUAL OR AUTOMATIC APPLICATION.

UNI EN 998-1 COMPLIANT

FEATURES

CALCEPURA DEUMIDIFICANTE improves the healthiness of living spaces due to its remarkable water vapor permeability, assisted by minimal reactivity to salts contained in masonry.

ADVANTAGES

- Compatible with traditional materials and techniques
- Eliminates and prevents fungus and mold
- Highly permeable to water vapor

WARNINGS

Protect the product from rain, runoff, frost, rapid drying or strong ventilation for at least 48 hours after application.

TECHNICAL DATA

Classe norma UNI EN 998-1	R-CS II-WO
Colour	light azelnut
Particle size	≤ 1,4 mm
Powder apparent density mass	1400 kg/m ³
Fresh mortar apparent density mass	1700 kg/m ³
Hardened density mass	1500 kg/m ³
Hardened density mass dry	1400 kg/m ³
Mixing water	23% (±2 l)
Compressive strength (N/mm ²) 28dd (UNI-EN 1015-11)	3,0 N/mm ²
Mechanical resistance to bending (UNI-EN 1015-11)	1,0 N/mm ²
Tear resistance - Adhesion	0,15 N/mm ²
Application temperature	+5° C / +35° C
Application time	approx. 40 mins. at 20°/25° C
Fire reaction	EUROCLASS A1
Water vapour diffusion resistance factor	μ 5-20
Water absorption	> 0,3 kg/(m ² .min24h)
Thermal conductivity (v.t. P=50%)	λ 0,47 W/mK
Supply	25 kg bag / n. 64 bags - pallet
Theoretical consumption per 1 cm thickness	13,5 Kg/m ²
Storage	In the original packaging and properly stored indoors in a dry place the product retains its characteristics about 12 weeks.



PREPARATION OF THE SUBSTRATE

Substrates should be solid and free of dust, grout milks, loose parts, oil, grease, paint, lime, plaster or rust stains. Remove crumbly and inconsistent parts from masonry.

Do not apply to plaster substrates, scagliola, painted substrates, wood, metal, plastic elements.

Wet porous and **permeable substrates** such as brick, stone or brick to refusal.

In the presence of strong salinity, we recommend washing the wall with a pressure washer, and subsequent treatment with our specific product ESICEM ANTISALE.

Smooth or poorly absorbent substrates should be pre-treated with a coat of fluid or semi-fluid liquid grout made with:

1 part water

1 part of ESICAL LATTICE

2/3 parts of CALCEPURA BINDING

Prepare the connection of the structural elements by applying suitable plaster-bearing mesh.

CAUTION

Combining CALCEPURA DEUMIDIFICANTE with specific emulsions for the creation of chemical barriers against capillary rising damp can cause a chemical reaction that will affect the final quality of the work.

Contact info@esincalce.com before using the product on surfaces with high moisture content.

PREPARATION OF THE PRODUCT

Moisten the inside of the concrete mixer, taking care not to leave water deposits on the bottom.

Mix with an ordinary tilt-axle concrete mixer or planetary mixer/drill mixer/plastering machine. Gradually add the indicated amount of clean water (approx. 6/6.5 l per bag) until the mix is obtained.

APPLICATION

Use CALCEPURA DEUMIDIFICANTE like ordinary plaster mortar paying attention to the thickness of the layers (max 2 cm each).

Apply a thin first coat ("rinzaffata") and proceed with the first coat of application after about 4 hours (at +5°C to +35°C).

Wait at least 24 hours for subsequent coats.

Wait at least 72 hours after patching the plaster before proceeding with the application of the skim coat (MALTA FINE or MALTA PRECONFEZIONATA).