



INTONACO POZZOLANICO DEUMIDIFICANTE

Dehumidifying lime and pozzolana plaster



DESTINATION ➔ **INTONACO POZZOLANICO DEUMIDIFICANTE** can be used for the creation of internal and external plasters on stone, brick, tuff or mixed masonry. For recovery interventions on historic buildings, where the use of **a very breathable natural plaster** is necessary and compatible with the materials used in the past.

PROPERTIES ➔ **INTONACO POZZOLANICO DEUMIDIFICANTE** is a pre-packaged plaster mortar in powder form, composed of **lime, micronized natural pozzolans, selected siliceous aggregates** with a maximum diameter of 2 mm, in a continuous curve. It contains no sulphates, free lime or any form of clinker.

The binder contained in this mortar is a **hydraulic lime**, obtained from the cold mixing of calcium hydrate $[\text{Ca}(\text{OH})_2]$, of the highest quality, obtained from the calcination, at low temperature (approximately 850-900°C), of pure limestones, rigorously selected, cooked with the techniques and methods handed down by tradition, and micronized natural pozzolans of different specific surface and energy. The particular binder gives the mixture excellent adhesion to the support, notable elasticity (low elastic modulus), very high breathability, high resistance to alkaline aggression and the formation of mold and bacteria.

USE ➔ **Preparation of the support:** the wall surface, of any type, must be very clean and show no signs of dusting; absolutely free of inconsistent and inconsistent parts (oils, salts, etc.). Wet the support adequately before applying the plaster.

Mixing: mix each 25 kg bag with approximately 6 liters of clean water or approximately 25% of the weight of the powder. Mixing must be carried out in a tumbler concrete mixer or with a special mixer. Before application, let the mixture rest for 10-15 minutes.

Application: apply the plaster manually with a trowel or with a plastering machine in a maximum thickness of 1 cm per coat. If plastering of considerable thicknesses is required, the material must be applied in several layers, making sure that the underlying layer or layers are very dry, to avoid cracking or crazing, while still wetting between one coat and the other. Walls exposed to the sun are kept humid to avoid rapid loss of water, which could cause detachment and/or chalking of the mortar itself. Circumventing some precepts of the Rule of Art can lead to undesirable outcomes.

YIELD ➔ **10-13 kg/m²** for 10 mm thickness.

TECHNICAL DATA

- ➔ **Appearance:** amber coloured powder
- ➔ **Granulometry:** UNI EN 1015-1: from 0 to 2 mm
- ➔ **Compression resistance** UNI EN 1015-11: > 3 N/mm² - Category CSII
- ➔ **Water vapour diffusion resistance:** UNI EN 1015-19: $\mu \leq 3$
- ➔ **Adhesion to support** UNI EN 1015-12: 0,1 N/mm² - FP: A
- ➔ **pH:** 13
- ➔ **Fire reaction:** Class A1
- ➔ **Mixing time in the concrete mix:** 10 minutes
- ➔ **Workability time:** about 30 minutes

PACKAGING

1CR067 ➔ BAG kg 25

STORAGE ➔ Store with the bag intact in a cool, dry place, away from humidity, rain, frost or high heat sources. Apply within 12 months of the manufacturing date.

WARNINGS

- ➔ Product intended for professional use.
- ➔ Apply the product within 20 minutes of mixing.
- ➔ Operating temperatures +5°C/+35°C.
- ➔ Avoid exposure to wind and high temperatures.
- ➔ Do not add water to prolong the use time.
- ➔ Equip operators as required by current safety regulations.

All information contained in our records correspond to our best knowledge of current techniques and cannot be considered binding or challenging as the real application conditions, verifiable case, may also result in major changes of both practices described above and the results obtained. Perform preliminary tests to determine if the product is suitable for the intended or not. We decline any liability for any damage resulting from improper use or misuse of the product. Do not litter in the environment. This data sheet replaces all previous versions.