

PLASTERS AND FINISHES



AVAILABLE IN **25 KG** on disposable pallet of 1575 kg (63 bags) protected by elastic hood

DESCRIPTION

Intonaco e Canapa is a special plaster based on natural hydraulic lime NHL 5 and Fine Hemp Shiv 0-6 mm, designed for breathable protection, renovation and conservative restoration of even heterogeneous masonry, such as hemp and lime **Biomattone®**, brick, tuff rock, natural stones. Specifically formulated with high permeability to water vapour, it is intended for filling, scratch coat, base plaster and rustic finishing of new or old masonry, both internal and external. Due to its natural properties and coloration, it is particularly suitable for works on buildings of historical and artistic interest, or for eco-friendly green building projects.

SUBSTRATE PREPARATION

Substrates to be plastered must be stable, clean, solid and free of weak parts, dust, bacterial growth, saline efflorescence, oils, greases, waxes, residues of previous works, etc.

If necessary, carry out preliminary cleaning of the substrate by pressure washing or sandblasting. The product can be mixed manually with a low-speed electric mixer or applied by mechanical projection using plastering machines for pre-mixed products.

YIELD/CONSUMPTION

15 kg for m² for cm thickness..

PRODUCT DATA

- Appearance: powder
- Colour: hazelnut beige
- Bulk density of powder (EN 1015-10): ~ 1400 kg/m³
- Maximum aggregate size: ≤ 2 mm

APPLICATION DATA

- Mixing water: 24%
- Mixing ratio: 1 bag + 6 lt. of water
- Minimum application temperature: +8°C
- Maximum application temperature: +35°C
- Workability time: ≤ 120 minutes

TECHNICAL DATA

- Bulk density of fresh mortar (EN 1015-6): ~ 1700 kg/m³
- Bulk density of hardened mortar (EN 1015-10): ~ 1400 kg/m³
- Adhesion (EN 1015-12): ≥ 0.2 N/mm² (FP) B
- Compressive strength (EN 1015-11): 1 N/mm² Class M5
- Flexural strength (EN 1015-11): ≥ 0.5 N/mm²
- Water absorption by capillarity (EN 1015-18): ≤ 0.4 kg/m² x min^{0.5} W1
- Water vapour permeability coefficient (EN 1015-19): μ 6
- Thermal conductivity (EN 1745): 0.45 W/mK
- (mean value from data table; P=50%): A12
- Specific heat capacity (EN 1745, A12): 1, kJ/kgK
- Reaction to fire (EN 13501-1): Class A1
- (assessment based on provisions)
- Durability (EN 998-1): valid in the intended place of use of the plaster
- Hazardous substances (EN 998-1): see SDS

WARNINGS

Avoid application at temperatures below +5°C, in the presence of strong wind, rain or direct sunlight, or above +35°C. Temperatures below +8°C combined with high relative humidity may lead to surface carbonation. The colour appearance may vary depending on environmental application conditions. With high temperatures, it is recommended to wet the substrate with water before applying **Intonaco e Canapa**; it is advisable to wet the plaster for a few days after application in order to avoid cracking and excessive dehydration that could cause loss of mechanical strength of **Intonaco e Canapa**. Avoid application on frozen, dusty, unstable or inconsistent substrates. Apply layers of thickness between 10 and 20 mm per coat. Protect the applied product from frost, rain and rapid drying during the first 24 hours after application. **Intonaco e Canapa** is a naturally coloured product and therefore subject to colour variations due to changes in the extraction of marly limestone from which the natural hydraulic lime is obtained. For professional use only.

MIXING AND APPLICATION

For manual applications, mix **Intonaco e Canapa** by adding 6-6.5 litres of clean water per 25 kg bag in a concrete mixer. Add the correct quantity of water into the mixer, then add the product powder. Mix for about 2-3 minutes until obtaining a homogeneous, lump-free mortar. Apply the product with a trowel like a traditional plaster. The mixed product must be used within 2 hours from mixing with water. The preparation of corner beads, separation strips, level guides, etc., must be carried out before applying the plaster layer on the entire wall. For mechanical projection applications, apply the product evenly, in a single layer with a thickness between 10 and 20 mm. It is possible to apply successive layers provided that the previous one is not yet completely dry. Afterwards, the plaster is levelled and finished using an aluminium straightedge. Any burrs or excess material are removed by scraping and smoothing of the surfaces. The surfaces thus prepared are suitable to receive finishing products: to obtain a fine civil finish use **Malta Fine** indoors and **Stabilitura Naturale Traspirante Plus** outdoors; to obtain a textured finish use **Canapulino** or **Canaposo**.

COMPOSITION

Intonaco e Canapa is a pre-mixed mineral plaster based on natural hydraulic lime NHL 5, fine hemp shiv 0-6 mm, selected siliceous and calcareous aggregates dosed according to an appropriate granulometric curve, and specific additives that improve workability, breathability, and adhesion to substrates.

CAM

The product **Intonaco e Canapa** contains more than 20% recycled material by weight, certified according to UNI/PdR 88:2020 (**CAM - Minimum Environmental Criteria** pursuant to Decree 23 June 2022 No. 256).

TOOL CLEANING

Clean all tools and equipment with water immediately after use. Hardened material can be removed only by mechanical means.

SHELF LIFE/STORAGE

12 months from the date of manufacture.

Store the product in its original, intact packaging and protected from moisture and frost.

ENVIRONMENT, HEALTH AND SAFETY (REACH)

For further information and advice on handling, storage and safe disposal of the material, the user must consult the latest version of the Safety Data Sheet (SDS), which reports information on the physical, ecological and toxicological characteristics of the products (REACH), together with other safety information. Product compliant with the provisions of Regulation (EC) No. 1907/2006 (REACH) and Annex XVII, entry 47 and subsequent amendments and additions.

COMPLIANCE

Guaranteed performance masonry mortar for general purposes (G) produced in a factory, intended for use in walls, columns, and partitions subject to structural requirements. - EN 998-2:2016