Tectoria INTONACO NHL

Pure natural hydraulic lime mortar for plastering and masonry work (patchwork, bedding and pointing). Maximum grain size 2.6 mm.

Scheda Tecnica rev.01_09/2025

DESCRIPTION

Tectoria INTONACO NHL is a ready-to-use, beige-hazelnut-colored mortar made from pure natural hydraulic lime NHL 3.5, certified according to UNI EN 459, and aggregates with a maximum grain size of 2.6 mm. It is completely cement-free and suitable for plastering, patching, and building and grouting brick or stone facades. Low soluble salt content. When in contact with water, lime reacts to form very poorly soluble and highly stable, basic hydrated products. Physically and chemically compatible with masonry components.

USES

Patching and refinishing, plastering, and repointing of exposed brick or stone facades.

CERTIFICATIONS

Tectoria INTONACO NHL is CE marked as GP CS I internal and external mortar according to UNI EN 998-1

EN 998-1 CE

APPLICATION

	Manual application		Workability time of the fresh mortar: 60 ± 20 min
	Machine Application		Mixing water: 4,75 lt/ 25Kg

Tectoria INTONACO NHL must be mixed with potable water according to the quantities shown in the table. It is recommended to add 3/4 of the required amount of water to the mixer, then continuously add the product and the remaining water until the desired consistency is achieved. Mix thoroughly until perfectly combined. Do not add any other binder during preparation and application. Apply with standard manual or mechanical equipment. Do not remix the product by adding water once it has started to set. Tectoria INTONACO NHL must be applied to clean surfaces, free of dust, loose particles, paint, grease, and any other material that could compromise its adhesion.

CONSUMPTION

16 Kg/m²/cm

PACKAGKING

Bag 25 Kg.

STORAGE

The product is resistant to humidity. Store in sheltered and dry place; In these conditions and in intact containers, the product maintains its stability for 12 months.

CHARACTERISTICS	TYPICAL VALUE
Aspect	Powdered product
Colour	Beige
Type of binder (uni en 459-1)	Nhl 3,5
Ph in aqueous dispersion	11
Application temperatures	+5 - +30 °c
Maximum size of the aggregate UNI EN 1015-1	≤ 2,6 mm
Apparent density of fresh mortar UNI EN 1015-6	1850 kg/m³
Workability time of fresh mortar UNI EN 1015-9	60 ± 20 minutes

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Compressive resistance UNI EN 1015-11	2,2 n/mm²

CHARACTERISTIC	LIMITS FOR GP MORTAR	TYPICAL VALUE
Apparent density in the dry state UNI EN 1015-10	Declaration of value	1550 Kg/m³
Mechanical compressive strength at 28 days UNI EN 1015-11	CS I (0,4 – 2,5 Mpa) CS II (1,5 – 5 Mpa) CS III (3,5 – 7,5 Mpa) CS IV (≥ 6 Mpa)	CS I
Adhesion UNI EN 1015-12	Declaration of value	≥ 0,2 N/mm² FP:B
Water absorption by capillarity UNI EN 1015-18	Declaration of value	W0
Water vapor permeability coefficient UNI EN 1015-19	Declaration of value	μ≤ 10
Thermal conductivity values I10, dry, mat medi UNI EN 1745	Average value from prospectus (P = 50%)	λ ≤ 0,83 W/mK
Fire reaction class UNI EN 13501-1	Declaration of value	A1
Durability	Declaration of value	NPD
Dangerous substances	Declaration of value	Vedi SDS

WARNINGS

Product intended for professional use.
The use of natural raw materials may cause color variations from one production batch to another. If the product is used in visible areas, try to use only material from the same production batch and arrange for continuous application. If this is not possible, plan to apply the product to rooms or areas defined by clean cuts along stringcourses, corners, etc. The amount of water in the mix must be minimized. Check the integrity of the packaging before use and do not use the product if lumps are present. Use all the material once opened. Do not apply Tectoria INTONACO NHL on crumbly or inconsistent surfaces: in this case, consult our technical office. Do not apply at temperatures below +2°C or above +35°C, on sunny surfaces or with imminent rain forecast, on windy days, or in the presence of fog. Any damage to equipment caused by incorrect use of the material will not be attributable to the manufacturer. All technical data in this Product Data Sheet is based on laboratory tests. Actual measurement data may vary due to circumstances beyond our control.
The information and specifications provided in this Product Data Sheet are based on our current knowledge and experience and are, in any case, purely indicative. They do not imply any guarantee on our part regarding the final result of the applied product and must be confirmed by extensive practical applications; therefore, the user must test the product's suitability for the intended application and its purpose. Users should always refer to the most recent version of the local technical data sheet for the product in question.