

MORTAR

ready-to-use, made with FEN-X/A



T30V is a mortar for plaster, rough-coating, filling and buffering and for the making of exposed masonry joints and bedding mortar. It is made with FEN-X/A natural hydraulic lime and selected inerts with a maximum granulometry of 4 mm.

T30V is a mortar with medium-high strength, a low water-soluble salt content and a controlled level of shrinkage, making it especially recommended for restructuring and renewal projects.

T30V conforms to UNI EN 998-1 regulations regarding "Specifications for mortar for masonry – interior and exterior plaster mortars," and possesses the CE conformity marking in accordance with applicable law.

Comes in: 30 kg. bags

FIELD OF APPLICATION

T30V can be applied on any surface, especially for use in restoration projects where mortars with high-level structural properties are needed along with a lack of reactivity in the presence of sulfates, high adhesion to walls and controlled levels of shrinkage. It can be employed both inside and out.

T30V is a mortar with an extremely low soluble-salt content, considerably reducing the formation of salt deposits on the masonry upon which it is applied. The type of granulometric curve adopted and the proportion of inert binders has been formulated in order to reduce shrinkage, minimise added water, and optimise workability and ease of application.

Due to its granulometric properties and composition, **T30V** allows for the making of plasters with greater thicknesses than normal, ready-to-use plasters for mechanical projection.

MIXTURE PREPARATION

T30V is to be mixed only and exclusively with water in the ratio of approximately 5 litres/bag. The mixture may be made by hand, by means of a concrete mixer, screw feeder, or an appropriate automatic water-mixing system. Avoid mixing times of greater than 3 minutes. Application can be performed by hand or by means of a plastering machine appropriate for products with a maximum granulometry of 4 mm.

APPLICATION

Surfaces with deteriorated plaster:

1. demolition of the deteriorated plaster until the original masonry is showing without, however, excessively impacting the original structure;
2. following demolition, removal of dust and any unstable bits and residue from the pre-existing plaster;
3. sandblasting of the masonry or cleaning with running water to remove dust and any salt deposits (one or more cleaning cycles as needed);
4. once the masonry is dry, the making of a preliminary rough coat with **T30V** or T30RC with a slight excess of water in order to make the surface regular in preparation for applying the body of the plaster;
5. application of the body of the plaster with **T30V** mixed with water, in one or more coats depending upon the thicknesses to be applied and respecting proper wait times between one coat and the next for proper curing of the product;
6. top-coating with TASSULLO TA01/02 skim coat and TASSULLO TF01/02 finish made with natural hydraulic lime and with high permeability, or TASSULLO coloured mineral finish or other finishes or paints provided they are permeable.

MORTAR

ready-to-use, made with FEN-X/A

New structures:

1. cleaning of the surface and removal of dust and any unstable bits, salt deposits, etc.;
2. application of a preliminary rough coat with **T30V** with a slight excess of water in order to make surface water absorbency uniform in preparation for applying the body of the plaster;
3. application of the body of the plaster with **T30V** mixed with water, in one or more coats depending upon the thicknesses to be applied and respecting proper wait times between one coat and the next for proper curing of the product;
4. top-coating with TASSULLO TA01/02 skim coat and TASSULLO TF01/02 finish made with natural hydraulic lime and with high permeability, or TASSULLO coloured mineral finish or other finishes or paints provided they are permeable.

WARNINGS

Surface preparation: prepare the surface for application by removing dust, salt deposits, unstable or crumbling bits, mildew, organic material, etc.

Wet surfaces: do not apply on surfaces impregnated with water in order to avoid insufficient adhesion.

High-absorbency surfaces: in the case of surfaces with high water absorbency, it is good practice to take all necessary precautions to avoid too-rapid drying of the mortar. Consider the possibility of wetting the surface before application or to apply a low-thickness coat of **T30V** as a rough coat before applying the body of the plaster.

Protection against freezing: do not apply **T30V** at temperatures lower than 5°C. In cold weather it is a good idea to adequately protect the mortar from freezing; the use of antifreeze additives, which may hinder workability of the mortar, is not however recommended.

High temperatures: in the case of high temperatures, take all necessary precautions to prevent too-rapid drying of the mortar mixture.

Thicknesses greater than 3 cm.: for thicknesses greater than 3 cm., especially where there are changes between sections or a lack of uniformity in the surface, the use of fibreglass or zinc-plated steel meshes is recommended along with the making of enough plaster for successive layers, waiting, however, for the underlying layer to harden first.

TECHNICAL DATA

Granulometry (UNI EN 1015-1)	from 0 to 4 mm
Water addition	approx. 0.16 l/Kg (approx. 5 l/bag)
Specific weight (UNI EN 1015-10)	1750 - 1850 Kg/m ³
Yield (for plaster)	approx. 18 Kg/(m ² x cm)
Compressive strength (UNI EN 1015-11)	Class CS III (3.5 – 7.5 N/mm ²)
Vapour diffusion resistance (UNI 9233)	$\mu = 12$
pH	> 10.5
Fire reaction class	A1

The technical data has been obtained with mortar prepared in a laboratory by mixing in a mixer in conformance with EN 196-1 regulations, for 75 seconds at low speed.

TECHNICAL SPECIFICATIONS

TASSULLO T30V ready-to-use mortar made with natural hydraulic lime, in conformance with UNI EN 459-1, classified NHL5 and possessing the CE marking per applicable law, with selected inerts from 0 to 4 mm., suitable for making plasters, rough coats, filler and buffers, exposed masonry joints and brick bedding, with specific weight of 1750 - 1850 Kg/m³, class CS III compressive strength (classification per UNI EN 998-1), vapour diffusion resistance (μ) of 12, pH > 10.5 and A1 fire reaction class.