

MORTAR

ready-to-use, made with FEN-X/A for mechanical-application plaster

T25V is a plaster mortar made with FEN-X/A natural hydraulic lime and selected inerts with a maximum granulometry of 3 mm.

T25V is a high-elasticity and low-shrinkage mortar especially recommended for restoration and renewal projects.

T25V conforms to the technical specifications laid out in the 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

T25V can be applied on any surface that is suitable for being plastered, 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 salts, high adhesion to walls and controlled levels of shrinkage.

T25V is a mortar with an extremely low soluble salt content, which considerably reduces the formation of salt deposits on the masonry upon which it is applied.

T25V is a mortar formulated with a granulometric curve geared towards the reduction of shrinkage, the minimisation of added water, the optimisation of workability and the possibility of using normal plastering machines for ready-to-use mortar in the application stage.

Due to its granulometric properties and mixture composition, **T25V** can handle greater thicknesses with respect to normal, standard plasters for mechanical projection. It can be applied both inside and out.

MIXTURE PREPARATION

T25V is to be mixed only and exclusively with water in the ratio of approximately 6.5 litres of water per bag. The mixture is to be made with appropriate, automatic water-mixing systems. Application is to be performed with normal plastering machines for ready-to-use products which automatically provide for mixing and correct water dosage.

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 **T25V** to make the surface regular in preparation for applying the body of the plaster. On low water-absorbency surfaces, consider the possibility of making the rough coat with TASSULLO TA02 adhesion-promotor as an adhesion bridge;
5. application of the body of the plaster with **T25V** 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. smoothing with TASSULLO TA01/02 smoothing product 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.

TASSULLO MATERIALI S.r.l.

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Use of this product implies that the customer has verified its suitability for the particular use it is to be employed for, and assumes all responsibility deriving from said use. The data reported here has been obtained by laboratory measurements. TASSULLO MATERIALI S.r.l. reserves the right at any moment and without prior notice to make any changes in the technical data.

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APPLICATION

New surfaces:

1. cleaning of the surface and removal of dust and any unstable bits, salt deposits, mildew, etc.;
2. application of a preliminary rough coat with **T25V** 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 **T25V** 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. smoothing with TASSULLO TA01/02 smoothing product 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, deposits, unstable or crumbling bits, salts, 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. It is necessary to wet the surface before application or to apply a low-thickness coat of **T25V** as a rough coat before applying the body of the plaster.

Protection against freezing: do not apply **T25V** 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, respecting however proper wait times between one layer and the next.

TECHNICAL DATA

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| Granulometry (UNI EN 1015-1) | from 0 to 3 mm. |
| Water addition | approx. 0,21 l/Kg (approx. 6 l/bag) |
| Specific weight (UNI EN 1015-10) | 1500 Kg/m ³ |
| Yield | approx. 15 Kg/(m ² x cm) |
| Compressive strength (per UNI EN 1015-11) | Class CS II (1,5 - 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 T25V ready-to-use mortar in conformance with UNI EN 459-1, classified NHL5 and possessing the CE marking per applicable law, with selected inerts from 0 to 3 mm., suitable for making plasters to be applied with a plastering machine for ready-to-use plaster, with specific weight of approximately 1500 Kg/m³, class CS II compressive strength (classification per UNI EN 998-1), vapour diffusion resistance (μ) of 12, pH > 10.5 and A1 fire reaction class.

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