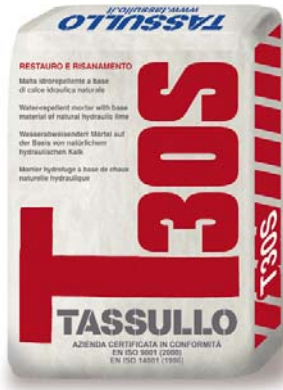


## MORTAR

ready-to-use and water-repellant, made with FEN-X/A



**T30S** is a ready-to-use, permeable, water-repellant mortar made with FEN-X/A natural hydraulic lime and selected inerts with a maximum granulometry of 4 mm.

**T30S** is a ready-to-use mortar which does not contain cement and which possesses medium-high structural strength and a low rate of shrinkage. It is especially recommended for the restoration of masonry deteriorated by rising damp, as it combines a strong degree of water-repellence together with the permeability of Tassullo natural hydraulic lime.

**T30S** 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

**T30S** can be applied on any masonry surface which requires high permeability, a low rate of water absorbency by capillary action and a high level of chemical/physical stability in the mortar without, however, compromising the effectiveness and aesthetic results of any project.

**T30S** allows for the restoration of masonry with deterioration due to rising damp by capillary action, or the restoration of any masonry structure where the durability of the plaster has been significantly compromised by damp.

Its high degree of water-repellence makes **T30S** especially recommended for making wainscots to protect lower levels of masonry against rain and puddled water, or protective exterior plasters on walls particularly exposed to atmospheric agents.

The use of **T30S** as an interior plaster must be evaluated case-by-case depending upon the microclimactic conditions of each location.

**T30S** is a mortar with an extremely low content of water-soluble salts, considerably reducing the formation of salt deposits on the masonry upon which it is applied.

### PREPARATION OF THE MIXTURE

**T30S** 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, residues of deteriorated bedding mortar and any salt deposits (one or more cleaning cycles as needed);
4. making of a preliminary rough coat with TASSULLO T30V 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 T30S mixed with water, in a single 2-3 cm. thick coat;
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.

**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

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### APPLICATION

New Surface:

1. cleaning of the surface and removal of any dust, unstable bits, salt deposits, etc.;
2. application of a preliminary rough coat with TASSULLO T30V ready-to-use plaster, 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 **T30S** mixed with water, in a single 2-3 cm. thick coat;
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 bits, mildew, organic material, etc. In the case of structures with a significant presence of salts, an anti-salt treatment should be performed after cleaning the structure with the anti-salt product TASSULLO Tsal VP, per the procedures laid out on the product's technical sheet.

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 structure before application or to apply a low-thickness coat of TASSULLO T30V as a rough coat before applying the body of the plaster.

Protection against freezing: do not apply **T30S** 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/ventilation: in the case of high temperatures and ventilation, 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. The desired final thickness of the plaster must include the application of successive layers of TASSULLO T30V mortar and the final layer of **T30S** (2-3 cm.), waiting in each case for the underlying layers to cure before proceeding.

#### TECHNICAL DATA

<b>Granulometry (UNI EN 1015-1)</b>	from 0 to 4 mm
<b>Water addition</b>	approx. 0.16 l/Kg (approx. 5 litres/bag)
<b>Specific weight (UNI EN 1015-10)</b>	1750 - 1850 Kg/m <sup>3</sup>
<b>Yield</b>	approx. 18 Kg/(m <sup>2</sup> x cm)
<b>Compressive strength (UNI EN 1015-11)</b>	Class CS III ( 3.5 - 7.5 N/mm <sup>2</sup> )
<b>Vapour diffusion resistance (UNI 9233)</b>	$\mu = 10$
<b>Water absorbency by capillary action (UNI EN 1015-18)</b>	Class W2: $c \leq 0.05 \text{ Kg}/(\text{m}^2 \times \text{min}^{0.5})$
<b>pH</b>	> 10.5
<b>Fire reaction class</b>	A1

### TECHNICAL SPECIFICATIONS

TASSULLO T30S ready-to-use, water-repellant mortar made with natural hydraulic lime, in conformance with UNI EN 459-1 regulations, classified NHL5 and possessing the CE marking per applicable law, with selected inerts with a granulometry from 0 to 4 mm., suitable for making standard plasters and wainscots, preferably on exterior walls, with a very low water absorbency coefficient by capillary action, with specific weight of approximately 1750-1800 Kg/m<sup>3</sup>, class CS III compressive strength (classification per UNI EN 998-1), vapour diffusion resistance ( $\mu$ ) of 10, pH > 10.5 and A1 fire reaction class.

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