

FINISH

fine, water-repellant, made with FEN-X/A



TFS1 is a water-repellant finish made with FEN-X/A natural hydraulic lime and selected inerts with a maximum granulometry of 0.8 mm.

TFS1 is distinguished by its ease of application, top-level permeability and adhesion, excellent surface solidity, very low water absorbency by capillarity and strong resistance to atmospheric agents.

TFS1 protects exterior plaster and makes it more durable without forming vapour barriers. Its low water-soluble salt content facilitates uniformity in colouring upon drying.

Comes: 30 kg. bags

FIELD OF APPLICATION

TFS1 is a finish for exteriors with top-level permeability, strength and durability against atmospheric agents. It is particularly recommended for historical/conservation restoration work due to its chemical-physical and aesthetic properties, which respect types of finishes made with weakly-hydraulic binders.

TFS1 is a finish with a low soluble-salt content. It can be used on all types of new and existing plasters made with aerial lime or hydraulic binders, on concrete, sheet floors, silicon-calcium or magnesium-wood panels and plasterboard as long as they are properly prepared by preliminary smoothing with TASSULLO TA01 or TA02 smoothing products. It can in particular be employed as a finish on mortars and plasters that receive only slight protection and are especially exposed to atmospheric agents.

MIXTURE PREPARATION

TFS1 is to be prepared by mixing only and exclusively with water in the ratio of approximately 7 litres/bag, varying the consistency per the type of application and working methods desired.

Preparation of the mixture may be made by hand, using a whisk and a low number of rotations, or a plastering machine. Avoid mixing times greater than 3 minutes.

APPLICATION

TFS1 is to be applied in a single coat, by means of a metallic spatula, in a uniform thickness no greater than 2 mm. and finished with a plastic trowel, sponge, cloth or other tool depending upon the aesthetic effect desired. For greater uniformity in colouring, it is recommended not to wet the product in the finishing stage and to avoid pauses in working. Application of non-uniform thicknesses of finish or application on heterogenous surfaces not previously treated with TASSULLO TA01 or TA02 smoothing products runs the risk of patches or lack of colour uniformity upon drying.

TFS1 can be left exposed or finished with paint.

WARNINGS

Surface preparation: apply on dry surfaces, cleaned of coming-off bits and free of dust, salt deposits, oils, crumbling bits, mildew and other organic material. In the case of plaster with cracks, assure the plaster is sufficiently adherent to the wall and any cracks are stable before application. In such cases, consider the possibility of embedding a fibreglass mesh into the skim-coat smoothing layer.

Wet surfaces: do not apply on plaster that has not attained a sufficient degree of curing, on surfaces that are wet or impregnated with water or where water may come into contact with the material in the first week after application.

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WARNINGS

Rain or environmental humidity: do not apply finish on rainy days or days with high environmental humidity (e.g. fog).

Protection against freezing: do not apply at temperatures lower than 5°C and protect the product from freezing for the first 48-72 hours after applying; antifreeze additives, which may hinder workability of the mortar, are not however recommended.

High temperatures/absorbent surfaces: in the case of high temperatures or highly-absorbent base plasters, take all necessary precautions to prevent too-rapid drying of the product.

Ventilation: high levels of ventilation may lead to a rapid drying of the surface.

Working stage: avoid wetting the mineral finish in the on-the-wall finishing stage for the purpose of restoring it or prolonging its workability. Failure to observe this warning may lead to decreased product durability and to undesired and hard-to-control colour variations in the finish upon drying.

Supply: it is recommended to make one, sole order of material sufficient to complete the entire project, so as to avoid possible differences in colouring between different shipments due to natural colour differences in the raw material as extracted from the quarry.

Any operation subsequent to the application of **TFS1** must occur after a 24-48 hour wait.

TECHNICAL DATA

Granulometry (UNI EN 1015-1)	from 0 to 0.8 mm
Water addition	0.23 l/Kg (approx. 7 l/bag)
Volumic mass (UNI EN 1015-10)	approx. 1600 Kg/m³
Yield	2-3 Kg/m²
Adhesion to concrete (UNI EN 1015-12)	> 0.3 N/mm²
Vapour diffusion resistance (UNI 9233)	$\mu = 11$
pH	> 10.5
Fire reaction class	A1

TECHNICAL SPECIFICATIONS

Tassullo TFS1 water-repellant finish made with natural hydraulic lime in conformance with UNI EN 459-1, classified NHL 5 and possessing the CE conformity marking per applicable law, low in water-soluble salts and with high permeability, to be used as a finish on all types of new and existing plasters made with aerial lime or hydraulic binders, on concrete, sheet floors, silicon-calcium or magnesium-wood panels and plasterboard as long as they are properly prepared by preliminary smoothing with a TASSULLO TA01 or TA02-type smoothing product made with natural hydraulic lime; maximum granulometry of 0.8 mm., with vapour diffusion resistance (μ) of 11, adhesion to concrete greater than 0.3 N/mm², pH > 10.5, and A1 fire reaction class.

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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.