

GROUT

Ready-to-use for screeds, made with BIO-E



BIO-E FONDO is a ready-to-use grout made with BIO-E and selected inerts with a maximum granulometry of 4 mm., and is ideal for the formation of finishable, civil-use screeds for ceramic, stone and wood flooring, etc.
BIO-E FONDO does not contain cement or additives.

Comes in: 30 kg. bags or loose from silos

FIELD OF APPLICATION

BIO-E FONDO is a grout used for the application of civil-use screeds with thicknesses varying between 4 and 12 cm.

BIO-E FONDO can be applied on normal floors, beds or foundations with or without thermal insulation or on TASSULLO BIO-E SOFT type filling screeds. Once completely cured, BIO-E Fondo can handle any type of flooring: tiles, wood, stone, brickwork, etc.

BIO-E FONDO allows for rapid application, for the reduction of down time in the application process, for the smooth management of on-site work spaces and for consistent mixtures whose physical properties remain constant throughout the entire application process.

MIXTURE PREPARATION

BIO-E FONDO is to be mixed only and exclusively with water in the ratio of approximately 2.5 litres per bag.

The mixture may be created by hand, by means of a concrete mixer or screw feeder positioned manually in place, or by means of a pneumatic transport system.

BIO-E FONDO is compatible with the adding of reinforcing fibres or meshes made of organic, vegetable or metallic material.

APPLICATION

BIO-E FONDO is to be applied with the consistency of moist earth, and extended and finished with a straight-edge and plastic trowel in the same manner as for traditional screeds.

The base must be clean, free of dust, uneven areas, salt deposits, mildew, etc.

BIO-E FONDO must be applied separate from the floor by using a vapour barrier made of organic material or cork pads for acoustic insulation of the walking surface.

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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WARNINGS

Preparation of the surface: apply **BIO-E FONDO** on dry, clean surfaces not subject to increases in moisture and free of dust, uneven areas, oil, grease and salts.

Protection against freezing, water, high temperatures: do not apply at temperatures less than 5 °C; protect against freezing, rain and running water for the first week after applying. In the case of high temperatures or significant ventilation, protect against too-rapid drying.

Moist surfaces: extend a vapour barrier before placing the screed (floating screed) to avoid delays in drying.

The applied mixture must well compacted and finished to avoid surface cracking or inconsistency. Avoid forming surface layers rich in binders and fine parts obtained by prolonged smoothing, with or without wetting, of the surfaces so as to not delay drying times.

Water for the mixture: the use of water as recommended by the technical data may vary in relation to the granulometric curve and the humidity content of the sand used. Excess water in the mixture may lead to difficulties in application as well as the prolongation of the drying time of the product once applied.

TECHNICAL DATA

Granulometry	from 0 to 4 mm
Volumic mass (UNI EN 1015-10)	approx. 1900 Kg/m ³
Water addition	approx. 2,5 litres /bag
Yield	19 Kg/(m ² x cm)
Compression strength (UNI EN 1015-11) *	Approx. 12 N/mm ²
Thermal conductivity (λ) (ref. UNI EN 12524 tabular values)	approx. 1,35 W/(m x °K)
Foot traffic	48/72 hrs.
Vapour diffusion resistance (UNI 9233)	μ = 12
pH	> 10.5
Fire reaction class	A1

* Values upon complete curing

TECHNICAL SPECIFICATIONS

Instant TASSULLO **BIO-E FONDO** grout made of natural hydraulic lime in conformance with class NHL5 of the UNI EN 459-1 regulations and possesses the CE conformity marking in accordance with applicable law. Selected inerts with granulometry of between 0 and 4 mm., ideal for the creation of screed for civil use, with volumic mass of 1900 Kg/m³, compression strength of 12 N/mm², estimated thermal conductivity of 1,35 W/(m x °K), dries for walking in 48 ÷ 72h, pH > 10.5 and class A1 fire reaction class. finishable after adequate curing time with ceramic tiles, wood, stone, brick or other types of finishing for civil habitation.

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