

## GROUT

Light, ready to use, made with BIO-E



**BIO-E SOFT** is a ready-to-use, fibre-reinforced grout made with BIO-E and light, mineral inerts, to be used as an insulating, filler bed between floors and flooring screeds made with BIO-E FONDO or with a mixture of BIO-E and sand made on-site. **BIO-E SOFT** does not contain cement or additives.

**Comes in:** 20 kg. bags

### FIELD OF APPLICATION

**BIO-E SOFT** is recommended for the creation of light screeds to be used between the floor and a two-coat screed. It allows for the smooth covering of electric and hydraulic-installation tubing in the floor, creating a flat surface upon which to more smoothly apply the BIO-E FONDO base screed.

**BIO-E SOFT**, because of its lightness, does not unduly weigh structures down. Thanks to its physical properties, it guarantees high-level thermal insulation and is highly phono-absorbent.

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

### PREPARATION OF THE MIXTURE

**BIO-E SOFT** is to be mixed only and exclusively with water, using between 13 and 16 litres of water per 20 kg. bag. Evaluate the mixture consistency desired in relation to the proposed application and working procedures. The mixture may be created by hand, by means of a concrete mixer or screw feeder, or prepared with a "Putzmaister"-type pumping system.

### APPLICATION

**BIO-E SOFT** is applied in thicknesses greater than 2 – 3 cm. directly upon the floor and tubing, taking care to provide for proper levelling through the use of a rake, straight edge or trowel in relation to mixture consistency. Before removing, it is recommended to remove all dust and uneven areas off the floor. For application on concrete and masonry floors, it is recommended to wet the floor before applying.

### WARNINGS

Preparation of the surface: apply **BIO-E SOFT** on clean surfaces not subject to increases in moisture and free of dust, uneven areas, oil, grease and salts. In the case of highly-absorbent surfaces, it is recommended to wet the base before application, which should always take place with a wet base but a dry surface.

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.

**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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TECHNICAL  
DATA

|   |                                    |
|---|------------------------------------|
| Granulometry (UNI EN 1015-1)            | 0 – 4 mm                           |
| Volumic mass (UNI EN 1015-10)           | approx. 800 Kg/m <sup>3</sup>      |
| Water addition                          | 13 - 16 litres /bag                |
| Yield                                   | approx. 8 Kg/(m <sup>2</sup> x cm) |
| Minimum thickness                       | 2 – 3 cm                           |
| Compression strength (UNI EN 1015-11) * | approx. 1.2 N/mm <sup>2</sup>      |
| pH                                      | > 10.5                             |
| Estimated thermal conductivity (λ)      | 0.18 W/(m x °K)                    |
| Fire reaction class                     | A1                                 |

\* Valore riferito a completa

**TECHNICAL SPECIFICATIONS**

Light, thermal-insulating, fibre-reinforced TASSULLO **BIO-E SOFT** filler bedding, made with natural hydraulic lime in conformance with UNI EN 459-1 regulations, classified as NHL5 and possesses the CE conformity marking in accordance with applicable law and perlite used as a light, mineral inert, with specific weight of approx. 800 Kg/m<sup>3</sup>, compression strength of approx. 1.2 N/mm<sup>2</sup>, thermal conductivity(λ) of approx. 0.18 W/(m x °K), pH > 10.5, A1 fire reaction class. Application must provide for 2 – 3 cm. of product thickness for the covering of technical installations (if there are) and be levelled out by means of a straight edge, trowel or rake to prepare a uniform base for the placement of screed for wood, tiles, carpet, etc.

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