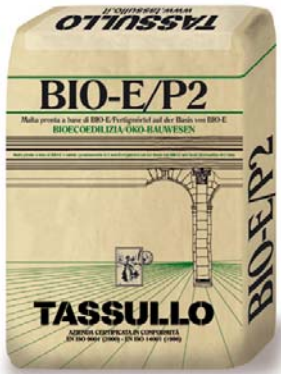


**MORTAR**

Ready-to-use, made with BIO-E



**BIO-E/P2** is a ready-to-use mortar made with BIO-E natural hydraulic lime and dolomite inert filler with a selected granulometric curve and maximum granulometry of 2 mm., suitable for making plaster mortar, filler mortar, buffer mortar and for the bedding of visible brick facing.

Its binder purity and absence of cement and organic additives make instant BIO-E/P2 mortar ideal for construction work which follows the tenets of eco-construction.

**BIO-E/P2** conforms to 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 or loose from silos

**FIELD OF APPLICATION**

**BIO-E/P2** can be applied on any surface that is absorbent, free of dust, salt deposits, uneven areas, oil, mildew, organic material, etc.

**BIO-E/P2** can be applied both inside and out, allowing for the creation of interior and/or exterior plasters on vertical walls or ceilings in 15/20 mm. layers along with buffers, filler and bedding for partitions or visible brick faces.

**BIO-E/P2** provides ease and speed of application and spreading of the plaster on walls as opposed to the use of plaster mortars made on-site.

**MIXTURE PREPARATION**

**BIO-E/P2** is to be mixed only and exclusively with water in the ratio of 5.5 litres/bag. The mixture may be created by hand, by means of a concrete mixer or by means of continuous, automatic systems that automatically dose the water into the mix without the adding of binders or inert substances.

**APPLICATION**

**BIO-E/P2** is to be applied in the same manner as with traditional mortars. If used for making plaster, it can be applied by hand or by means of a suitable plastering machine, taking care to make a preliminary rough coat with a slight excess of water and then, following that, the body of the plaster. It is to be finished with a straight edge and plastic trowel to make the applied material compact and uniform and to avoid fissures in the moulding phase. Once hardened, it can handle any type of two-coat finish (lime putty, TASSULLO TA01, TA02, TF01 Stabiliser etc.) and successive TASSULLO Coloured Finishings or silicate finish or paint, ceramic or natural-stone tiles, etc.

**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.

**MORTAR**

Ready-to-use, made with BIO-E

**WARNINGS**

**BIO-E/P2** is to be applied on dry and clean surfaces, free of dust, uneven areas, remains of old plaster, mortar or paint, salt, oil, grease, mildew, organic material, etc.

Low temperatures: in cold weather it is a good idea to apply the finish during the warmest hours of the day, and never in any case below 4 °C.

High temperatures: it is good practice in the case of high temperatures to protect the material from too-rapid drying.

High-absorbency surfaces: take all necessary precautions to prevent rapid drying of the mortar or plaster (wet the absorbent structure and/or apply an initial rough coat).

Ventilation: excessive ventilation may lead to the rapid drying of the surface.

Low-absorbency surfaces: application on concrete or surfaces with little or no water-absorbance capacity must be made after applying the adhesion promoter TASSULLO TA02/TA04 (to be applied with a plastering machine or by hand) as a rough coat and adhesion bridge.

**TECHNICAL DATA**

Granulometry (UNI EN 1015-1)	from 0 to 2 mm
Volumic mass (UNI EN 1015-10)	1750 - 1850 Kg/m <sup>3</sup>
Water addition	approx. 5.5 litres/bag
Yield (for plaster)	approx. 18 Kg/(m <sup>2</sup> x cm)
Compression strength (UNI EN 1015-11)	CS III ( 3.5 ÷ 7.5 N/mm <sup>2</sup> )
Vapour diffusion resistance (UNI 9233)	μ = 12
Thermal conductivity (value tabulated according to EN 1745:2002 Prosp. A.12)	λ = 0.93 W/(m x °K)
pH	> 10.5
Fire reaction class	A1

The technical data was obtained with a laboratory-prepared mortar by the mixing with a mixer in conformance with EN 196-1 regulations for 75 seconds at low speed.

**TECHNICAL SPECIFICATIONS**

Ready-to-use, TASSULLO BIO-E/P2 mortar made exclusively with natural hydraulic lime conforming to UNI EN 459-1, class NHL5, and possessing the CE conformity marking in accordance with applicable law; selected inerts with a granulometry of between 0 and 2 mm., free of cement and synthetic additives, with vapour diffusion resistance (μ) of 12, class CS III of compression strength (classification per UNI EN 998-1 regulations), specific weight of 1750-1850 Kg/m<sup>3</sup>, pH > 10.5, suitable for making two-coat plaster for interiors and exteriors, filler, buffering and bedding of visible brick faces.

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