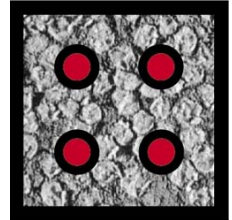


Company

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Presentation of the product



## Technical Information\*

<b>Productfamily</b>	UNDERLAYERS FOR FLOATING FLOORS: LIGHT GRANULES BOUND WITH CEMENT FOR THERMAL AND ACOUSTICAL INSULATION
<b>Type of product*</b>	Light mortar for the levelling and insulation layers of floors
<b>Complete description, composition of the product and origin of the waste material *</b>	The mortar comprises the following ingredients (please refer to ATG §5 for characteristics) : - insulating granules : - expanded vermiculite (Ø to 3 mm) - expanded polystyrene granules (Ø 2 to 4 mm), recycled from EPS packaging - dry additives - cement (CEM I 42,5 or CEM I 52,5) (the required quantity is added in the bags)
<b>Manufacturing process *</b>	The mortar metered, mixed and packaged by the Pirobouw NV company at its plants in Schoten, Assesse and/or Beernem is available in bags. The mortar can also be mixed and delivered in mixer trucks (Mega-MaxiMixer).
<b>Intended use *</b>	Styrobet is a mortar with slightly insulated fillers, which is used as thermally insulating substrate for floors. The mortar layer is applied to the supporting floor (e.g. concrete, wood, ...) as a substrate for the finishing floor. It can also be used as levelling layer for pipes and height differences.  Styrobet is intended for use inside buildings with a total load of ≤ 6 kN/m <sup>2</sup> (houses, offices, rest homes, ...). Styrobet can be used for both new building and renovation.
<b>Approvals or other kinds of product certification *</b>	ATG 01/2450
<b>Identification*</b>	Packaging : - 63-litre bags with multilingual direction for use - delivery of mixed Styrobet by mixer trucks to the site
<b>Performances of the product*</b>	Compression strength (NBN B14-209): > 0,6 N/mm <sup>2</sup> Compression strength upon breakage (NBN EN 826): 611 kPa Varying load (15.000 cycles; 2 to 6 kN/m <sup>2</sup> ) BBRI TI 189 § 8.2.3 : 0,04 mm and stabilisation (at 9.000 cycles) λ-value (NBN B62-203): - dry (drying oven 40°C – constant weight - moisture content : 0,000 m <sup>3</sup> /m <sup>3</sup> ): 0,0925 W/m.K - practical calculation value: 0,10 W/m.K Thermal coefficient of expansion between -5°C and 50°C (UEAtc § 4.3.1): max. 0,14 % μ-value (DIN 52615): 9,8 Fire reaction to the mortar (NBN S21-203): A1 Determination transmission of contact sound (insulating substrate - thickness 50 mm + sound-proofing foil Thermofloor Silence - thickness 6,5 mm + bare finishing floor - thickness 50 mm) (NBN S01-007): Ia (NBN S01-400), 49 (+1) (NBN EN ISO 717-2) Determination transmission of contact sound (insulating substrate - thickness 50 mm + sound-proofing foil Gemafon FC - thickness 6 mm + bare finishing floor - thickness 60 mm) (NBN S01-007): Ia (NBN S01-400), 51 (0) (NBN EN ISO 717-2)
<b>Execution *</b>	Application is not subject to checking by Pirobouw and takes place in accordance with directions for use on the packaging and at the responsibility of the installer. The installer respects the regulations for correct application as proposed in the relevant TI 189 'Finishing floors' and 193 'Finishing floors - part 2 : application' of the BBRI and the regulations mentioned below.  The ambient temperature and the temperature of the supporting surface are minimum 5 °C and maximum 35 °C. Prior to application check that the face of the supporting surface is free of grease and clean, the supporting surface is sufficiently hard and dry, does not show moving cracks or tears and meets the dimensional requirements as per TI 189 of the BBRI. Styrobet is supplied in bags of approx. 63 litres (insulating granules + additives + cement). At the site approximately 13 litres of water must be added. The mortar must be mixed intensively and sufficiently long (circa 3 minutes) in a suitable mixer (concrete mixer, screed machine, ...) until a homogeneous mixture is obtained. It must always be mixed per entire bag. When mixer trucks deliver the mixture, the required amount of water is accurately metered. Mixing must continue until a homogeneous mixture is obtained (the mixing time depends on the volume and is indicated on the work documents) and until the entire mixing truck is empty. The insulating mortar must always be applied to a stable supporting floor to a thickness of at least 30 mm. On a wooden or wood-like supporting floor a polyethylene foil must be fitted first, with an overlap of at least 10 cm or a sealed overlap. On a cemented supporting floor that is not excessively hygroscopic, the mortar adheres to the cleaned supporting floor. To obtain a bond on a strongly hygroscopic supporting floor (e.g. dried out concrete), the supporting floor is excessively moistened and brushed in with cement. With application to foil, shrinkage joints and edge joints must be made in the mortar as from an area of 50 m <sup>2</sup> and at a length of over 8 m, as indicated in § 6 of TI 193 of the BBRI. Dilatation joints in the supporting structure must be kept in the mortar. After 2 to 3 days the finishing layers can be placed on to the insulating layer. If the mortar is completely dry, a foil or primer must be applied to the insulation layer in order to prevent the finishing floor from drying out too quickly. Prior to applying the finishing layer, check that the insulating layer meets the dimensional requirements as per § 4.2 of TI 189 of the BBRI. Only the following finishing layers can be applied, taking into account the manufacturer's instructions and the applicable Technical Information of the BBRI: plain finishing floor, reinforced finishing floor, flow floor, tiles in sand-cement bed. Other finishing layers, such as concrete (for industrial floors) are subject to an additional investigation.
<b>Price</b>	8,80 € / bag (exclusive of VAT - ex factory)
<b>Other recycled products of the same company and with similar composition</b>	Vermeton - Piro mix - Pirotherm - Isobet - Pirotherm G08

\* Remark : The above-mentioned information is supplied by the manufacturer. Only the information marked with an \* originates from an approval or a certificate