

BITUVER FONASOFT



The walking noise level index L'_{nw} checked in operation, as per prevailing regulation.



Acoustic insulation for walking noises.

Ideal for floating pavements.

High-weight felt with a surface impregnated with partial saturation by a special bituminous mixture **specifically developed to make the product easy to manipulate** and **easy to apply** in all seasons.

The product is covered with a plastic film that has a selvedge and an adhesive strip on the opposite edge for optimum junction seal. Odourless, decay-proof, chemically inert, resistant to bagging, impregnable to mould and mildew. In the foreseen conditions of use, the product is stable over time.

Acoustic insulation of walking noise (UNI EN ISO 140/6 – UNI EN ISO 717/2)

Under bare floor L_{nw_0}	76 dB
Under floor insulated with Fonasoft L_{nw}	50 dB
Improvement of the acoustic insulation of walking noise ΔL_w	26 db

Dynamic rigidity (UNI EN 29052-1: 1993)

apparent average s'_t measurement without preload	15 MN/m ³
apparent average s'_t measurement with preload	16 MN/m ³
average S'	*34 MN/m³

**Istituto Giordano test report No. 235058 dated 24 March 2009*

Storage

Store the rolls indoors, protected from sunlight and at a temperature no lower than +5°C. Keep the rolls in a vertical position. Avoid stacking the pallets. We recommend using the product within 2-3 months from delivery.

Dimensional Specifications

Length	10 m - 1% (UNI EN 1848-1)	Tol. \geq
Width	1 m - 5% (UNI EN 1848-1)	Tol. \geq
Thickness	6 mm (UNI EN 1849-1)	Tol. 10%

Weight and compressibility

	Value
Polyester unwoven fabric weight	0.2 Kg/m ² \pm 15%
Membrane weight	2.0 Kg/m ² \pm 15%
Total product weight	2.2 Kg/m ² \pm 15%
Product compressibility class (UNI EN 12431)	CP3

Application

- Clean the surface of the slab and free it of any residue;
- Join any piping to the slab with cementitious mortar;
- Create a laying surface of the felt that covers the piping entirely, using a levelled layer of sand stabilised with cement. If the slab insulation needs to be increased, substitute the stabilised sand with a thermal insulating pre-mix; the operations described can be avoided if the surface of the slab does not have piping and is well levelled and free of clumps or bumps;
- Unroll and cut the felts, covering the slab entirely;
- The side covered with bitumen must be laid upward and the edges must be perfectly coupled and sealed using the special adhesive strip and the relative overlap band in order to create good continuity of the insulating layer;
- Fold the felts along walls and pillars in order to avoid rigid connections between the flooring and the other structures of the building. The height of the folds must exceed that of the finished floor by a bit. The felt must be folded at a right angle between the horizontal and vertical surface to avoid the formation of gaps between felt and floor. In order to avoid rigid connections between the flooring and the other structures of the building, we recommend not using position the closed-cell Bituver PERISOL L expanded polyethylene separating strips with the self-adhesive orthogonal sides bonded respectively to the surface of the slab and to the surfaces of walls and pillars. Ensure that the height of the vertical tabs of the separation strips exceeds that of the finished floor by a bit;
- Create a distribution flooring block thick enough for the foreseen loads;
- Complete the foreseen flooring and trim the excess of the felt above the finished pavement;
- Apply the baseboard, preferably avoiding contact with the floor elements

The Saint-Gobain PPC Italia S.p.A. quality system is EN ISO 9001 certified.
The products presume suitable application and storage methods.