

Technical Commercial Data Sheet

Fonas 31

Soundproofing of floors from impact noises (floating floors)



Dimensional Features

Length	8 m - 1% (UNI EN 1848-1)	Toll. \geq
Width	1 m - 1% (UNI EN 1848-1)	Toll. \geq
Thickness	8 mm (UNI EN 1849-1)	Toll. $\pm 10\%$

Description

Base layer for the soundproofing of floating floors consisting in a high-weight non-woven polyester matched with a reinforced bituminous membrane realized with a special compound.

The product is superficially covered with a polyethylene film and has a selvage on one side and a self-adhesive band on the other side, in order to realize optimal junctions.

Application

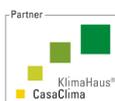
- The application deck must be smooth and clean;
- Connect eventual pipes to the floor with cement mortar;
- Implement a plain layer covering all the pipes with sand stabilized with cement. If you need to increase the level of insulation of the floor, replace the stabilized sand with an insulating premix; these operations are not necessary if the surface of the slab does not have pipes, is well leveled and free of lumps or asperity;
- In order to avoid rigid connections between the flooring and the other structures of the building, place the strips of desolidarisation of closed cell polyethylene Bituver PERISOL L, placing orthogonal adhesive glued faces respectively to the plane of the floor and to the surfaces of walls and pillars. Ensure that the height of the vertical edges of the strips of desolidarisation slightly exceeds the level of finished floor;
- Unroll and cut FONAS 31 in order to cover the whole floor;
- The face coated with bitumen must be laid upside and the edges must be perfectly matched and sealed using the appropriate adhesive strip on the corresponding band of overlap in order to achieve a perfect continuity of the soundproofing layer;
- Fold the felts along walls and pillars in order to avoid rigid connections between the flooring and other vertical structures. The height of the implications should slightly exceed that of the finished floor. The felt must be bent at a right angle between horizontal and vertical plane to avoid the formation of voids between the felt and the soil;
- Make a screed of adequate thickness in accordance with expected loads;
- Realize the planned pavement;
- The excess product has to be trimmed;
- Apply the baseboard, possibly avoiding contact with the elements of the floor.

Recommended Use

Soundproofing of floors from impact noises (floating floors).

Storage

Keep the rolls in warehouse, not exposed to the sun rays and at a temperature not below + 5°C. Keep the rolls in the upright position. It is advisable to use the product within 2/3 months from delivery.



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Saint-Gobain PPC Italia S.p.A. – Isover Activity

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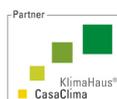
Fonas 31

Characteristics	Value
Rolls per pallet	23
m ² per pallet	184
Length	8 m ± 1%
Width	1 m ± 1%
Non-woven Polyester weight	0,2 Kg/m ² ± 10%
Membrane weight	4,0 Kg/m ² ± 10%
Total product weight	4,2 Kg/m ² ± 10%
Impact noise soundproofing (UNI EN ISO 140/6 — UNI EN ISO 717/2)	Test Report CSI n° 0057/DC/ACU/04 dated 17/06/04
Under bare slab L_{nw0}	74 dB
Under slab insulated with FONAS 31 felt L_{nw}	43 dB
Improvement of impact noise soundproofing ΔL_w	31 dB
Dynamic rigidity (UNI EN 29052-1:1993)	Test Report Istituto Giordano n° 23 4050 dated 7/12/2007
Average apparent dynamic rigidity S'_t without pre-load	15 MN/m ³
Average apparent dynamic rigidity S'_t with pre-load	16 MN/m ³
Average dynamic rigidity S'	32 MN/m³

The Sain-Gobain Isover Italia S.p.A. quality system is certified according to EN ISO 900

Our products foresee proper application and storage modalities.

The technical data of this document refer to tests performed in laboratory and therefore do not represent a guarantee on the results for similar working yard systems
Saint Gobain PPC Italia has the right to carry out the changes or variations believed to be proper any time with no need of notice



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