

Technical Commercial Data Sheet

Fonas PE

Soundproofing of floors from impact noises (floating floors)



Caratteristiche Dimensionali

Thickness	3	5	10	mm ($\pm 10\%$)
Length	160	100	50	m ($+2\%$)
Width	1,5	1,5	1,5	m ($+2\%$)
Density	30	30	30	Kg/m ³ ($\pm 10\%$)
m ² each roll	240	150	75	m ²

Descriptio

Crosslinked expanded polyethylene with closed cells, elastic, easy to manipulate, odorless, rotting resistant, chemically inert, resistant to mold. In the prescript usage is stable for all the service time.

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, fold FONAS PE along walls and pillars, placing 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 product slightly exceeds the level of 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;
- Unroll and cut FONAS PE in order to cover the whole floor;
- Make a screed of adequate thickness in accordance with expected loads;
- Realize the planned pavement;
- Cut the exceeding product;
- Apply the baseboard avoiding contact with the elements of the floor.

Recommended Use

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Storage

Keep the rolls in warehouse, not exposed to the sun rays and at a temperature not below + 5°C..



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Pag. 1 a 2



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

Sede: Via Ettore Romagnoli, 6 – 20146 Milano

Servizio Clienti Bituver: Via G.Pastore, 15 - 66013 Chieti Scalo (CH) - Tel. 0871/588021 - Fax 0871/ 552483

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Characteristic	Norms	Value		
		3 mm	5 mm	10 mm
Thickness	internal			
Density	ISO 845	30 kg/m ³		
Thermal conductance λ 0°C	EN 12667	0.0314 W/mK	0.0314 W/mK	0.0314 W/mK
Thermal conductance λ 40°C	EN 12667	0.0348 W/mK	0.0348 W/mK	0.0348 W/mK
Acoustic insulation and impact noise insulation				
Under bare slab L_{nw}	UNI TR 11175	80dB	80dB	80dB
Under slab insulated with FONAS PE felt L_{nw}	UNI TR 11175	64 dB	60 dB	59 dB
Improvement of impact noise soundproofing ΔL_w	UNI TR 11175	16 db	20 db	21 db
Dynamic rigidity				
Average apparent dynamic rigidity S_t	UNI EN 29052-1 : 1993	140 MN/m ³	89 MN/m ³	75 MN/m ³
Usage temperature	UNI EN 29052-1 : 1993	< 100 °C		

The Saint-Gobain PPC Italia S.p.A. quality system is certified according to EN ISO 9001.

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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