



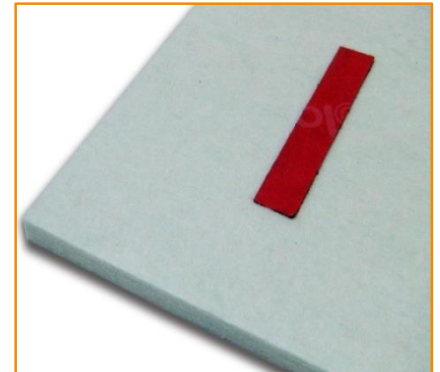
## TECHNICAL DATA

*Highmat*

Acoustic insulation for floating floors

### Technical specification

Acoustic insulation panels made of two rubber bearings inserted in a polyester fiber mat, with a total thickness of ... mm. The bearings are made of SBR and EPDM rubber granules and fibers compacted using polyurethane glue in a hot process, protected with a non-woven, non-stretch, synthetic membrane on one side; the dimensions of the rubber bearings are 300 mm x 50 mm<sup>3</sup>. The polyester fiber mat has a density of ... kg/m<sup>3</sup> and the total dimensions of the assembled panel are 1000 mm x 600 mm.



- **Very high acoustic and thermal performance**
- **Easy to lay**
- **Wide versatility**

PHYSICAL CHARACTERISTICS	Standard	Unit	Highmat 20	Highmat 30	Tolerance
Thickness		mm	20	30	± 10%
Superficial weight		kg/m <sup>2</sup>	1,64	1,89	± 10%
Colour		m	red/black/green		± 1%
Rubber bearings			Highmat 20	Highmat 30	
Length		mm	300		± 1%
Width		mm	50		± 5%
Density		kg/m <sup>3</sup>	500		± 10%
Polyester fiber panel			Highmat 20	Highmat 30	
Length		m	1,00		± 1%
Width		m	0,60		± 5%
Density		kg/m <sup>3</sup>	60	40	± 10%

ACOUSTIC CHARACTERISTICS	Standard	Unit	Highmat 20	Highmat 30	Tolerance
Dynamic stiffness s' <sup>(1)</sup>	EN 29052-1	MN/m <sup>3</sup>	11	6	± 2
Impact sound pressure level attenuation ΔLw - laboratory test	EN ISO 10140	dB	34	36	

TECHNICAL CHARACTERISTICS	Standard	Unit	Highmat 20	Highmat 30	Tolerance
Compression load (deformation 10%)	EN 826	kPa	3,14		± 5%
Thermal conductivity coefficient λ	EN 12667	W/m <sup>2</sup> K	0,04		
Fire grade of bearing / panel	EN 13501-1		E / B-s2-d0		

### PACKING AND STORING

Each pallet is wrapped and protected with waterproof polythene film. Inside storage is recommended to avoid possible wet storing.

<sup>(1)</sup>Measurement carried on a sample with dimension 20 cm x 20 cm, with relative quantities of supports and filler proportional to the panels', without gypsum plaster layer between steel plate and sample.

The suggestions and technical information given above represent our knowledge regarding the properties and the product's uses. ISOLGOMMA reserve the right to modify or update this data without prior notice. This document is the property of ISOLGOMMA and all rights are therefore reserved.

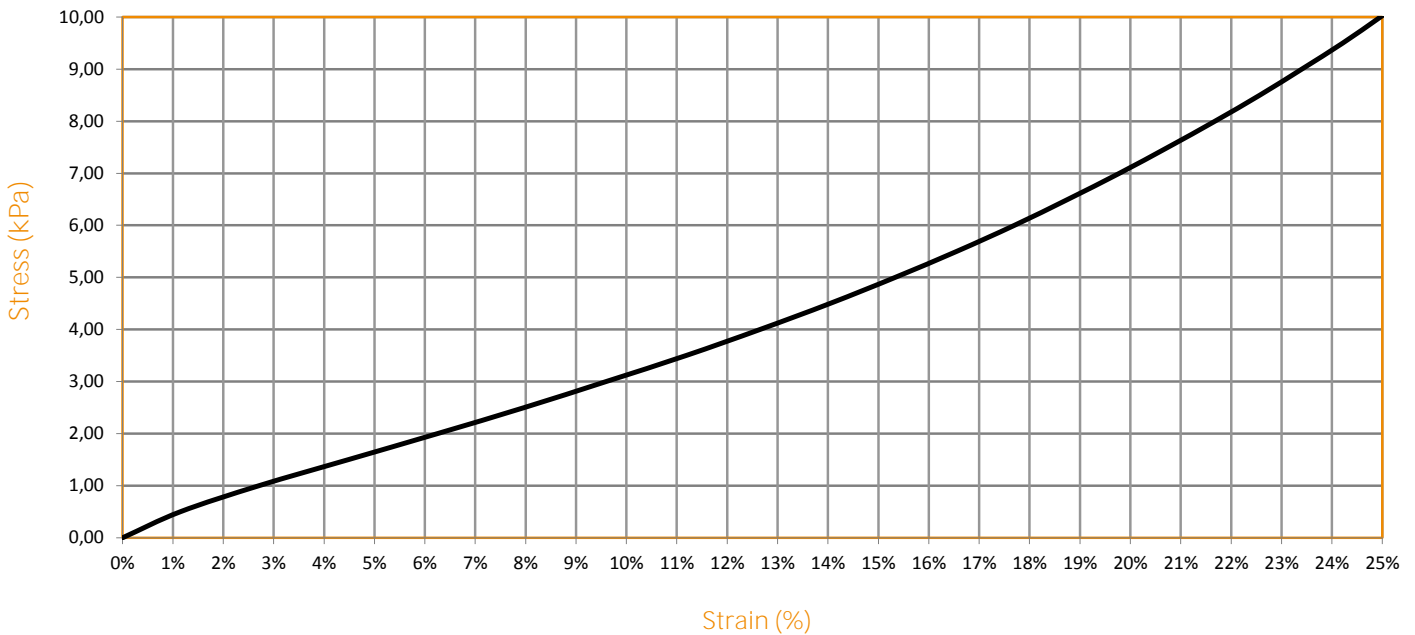


TECHNICAL DATA

Highmat

Acoustic insulation for floating floors

Compression behavior EN 826

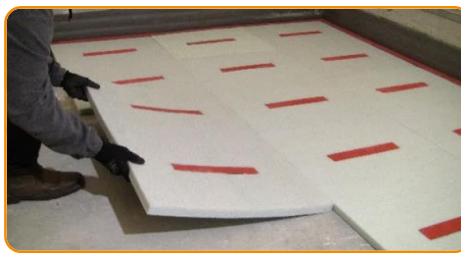


Note: maximum deflection (%) assessed on 1 sqm with a rubber insert equal to 5% of the surface.

INSTALLATION INSTRUCTIONS



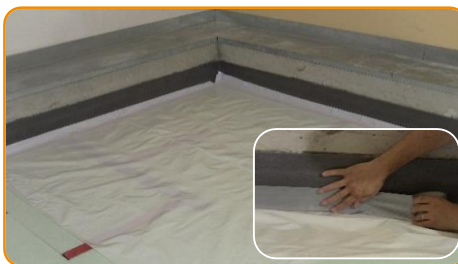
Install the adhesive strip Profyle Flat to the wall and the Side Highmat along the whole perimeter.



Install Highmat on the whole surface, staggered between two adjacent rows.



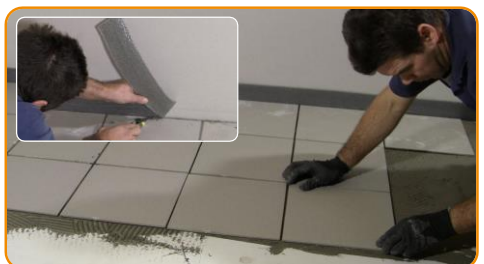
Seal any gaps higher than 2 mm between panels, using the Stik tape.



Apply a waterproof foil on the whole surface to protect the resilient layer.



Install the reinforcement mesh (Ø 5 mm, net 200 mm) and build the screed (th. > 60 mm).



Apply the finishing on top of the screed and cut the exceeding edging strip only at the end.