

## TECHNICAL SPECIFICATION

Acoustic insulation supplied in panels with a dimpled shape on one side with a thickness of 18 mm, made of SBR fibres and granules compacted using a polyurethane binder in a hot process. A blue synthetic non woven anti-stretch backing is applied on the upper side. The dimensions of the panels are 100 cm x 120 cm; total superficial weight is 6,7 kg/m<sup>2</sup> and dynamic stiffness (s') is 16 MN/m<sup>3</sup>.



ETA - 19/0509

PHYSICAL CHARACTERISTICS	Standard	Unit	POINT	Tolerance
Thickness <sup>(1)</sup>	EN 12431	mm	<b>18</b>	± 10%
Length	EN 822	m	<b>1,00</b>	± 0,01
Width	EN 822	m	<b>1,20</b>	± 0,01
Backing superficial weight	EN 13859-1	g/m <sup>2</sup>	<b>135</b>	± 5%
Superficial weight	EN 1602	kg/m <sup>2</sup>	<b>6,70</b>	± 10%
Colour			<b>blue/black</b>	

ACOUSTIC CHARACTERISTICS	Standard	Unit	POINT	Tolerance
Dynamic stiffness s'	EN 29052-1	MN/m <sup>3</sup>	<b>≤ 16</b>	
Impact sound pressure level attenuation ΔLw - laboratory test <sup>(2)</sup>	EN ISO 10140 EN ISO 717-2	dB	<b>≥ 28</b>	

TECHNICAL CHARACTERISTICS	Standard	Unit	POINT	Tolerance
Compressibility c	EN 12431	mm	<b>≤ 2,2</b>	
Creep deformation at time Xct - 10 years	EN 1606	mm	<b>0,34</b>	
Strain at time ε <sub>t</sub> - 10 years			<b>4,4%</b>	
Thermal conductivity coefficient λ	EN 12667	W/m K	<b>0,120</b>	
Reaction to fire	EN 13501-1		<b>E<sub>fl</sub></b>	

Deflection at maximum load		mm	<b>&lt; 5</b>							
Maximum traffic load		kg/m <sup>2</sup>	<b>≤ 5.000</b>							
Load (N/mm <sup>2</sup> )	0,0045	0,0135	0,0225	0,0315	0,0405	0,0495	0,0586	0,0315	0,0180	0,0068
Settlement (mm)	-	1,4	2,4	3,1	3,6	4,1	4,4	3,6	2,6	1
Bedding modulus (MN/m <sup>3</sup> )	-	9,7	9,4	10,2	11,3	12,1	13,3	8,8	6,9	6,8

## PACKING AND STORING

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

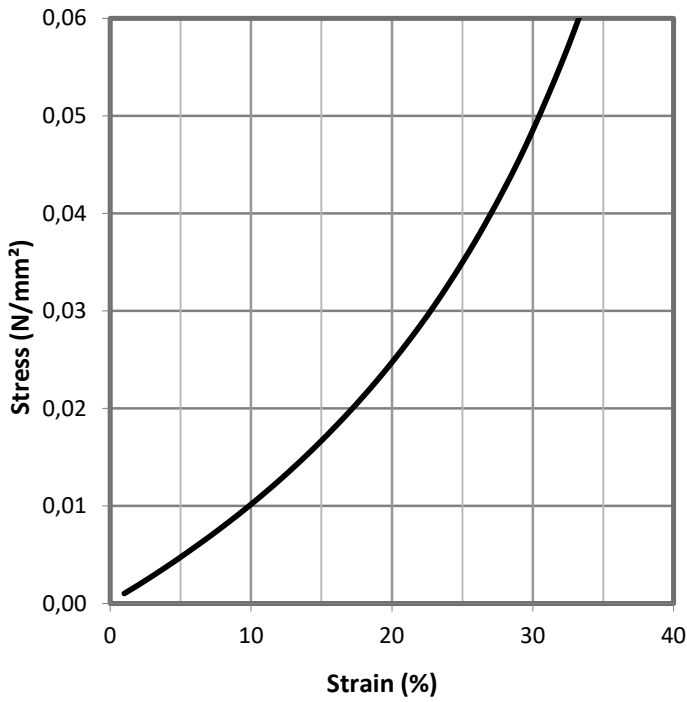
## NOTES

<sup>(1)</sup> Product thickness measured according to norm EN 12431 equal to the value of "Thickness under load dL (250 Pa)"

<sup>(2)</sup> Test report n. 367878 at Istituto Giordano (Italy)

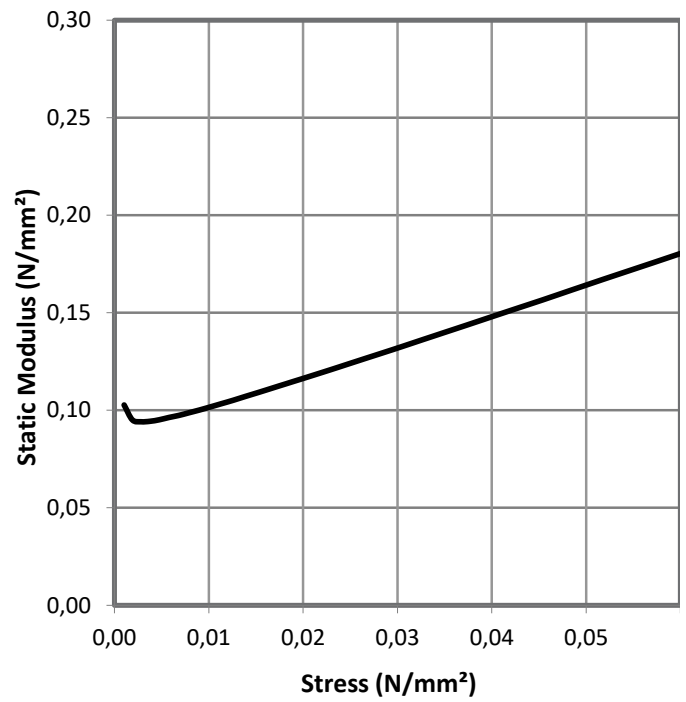
The suggestions and technical information given above represent our knowledge regarding the properties and the product's uses. ISOLGOMMA reserve the right to modify or update this data without prior notice. This document is the property of ISOLGOMMA and all rights are therefore reserved.

COMPRESSION BEHAVIOR - EN 826



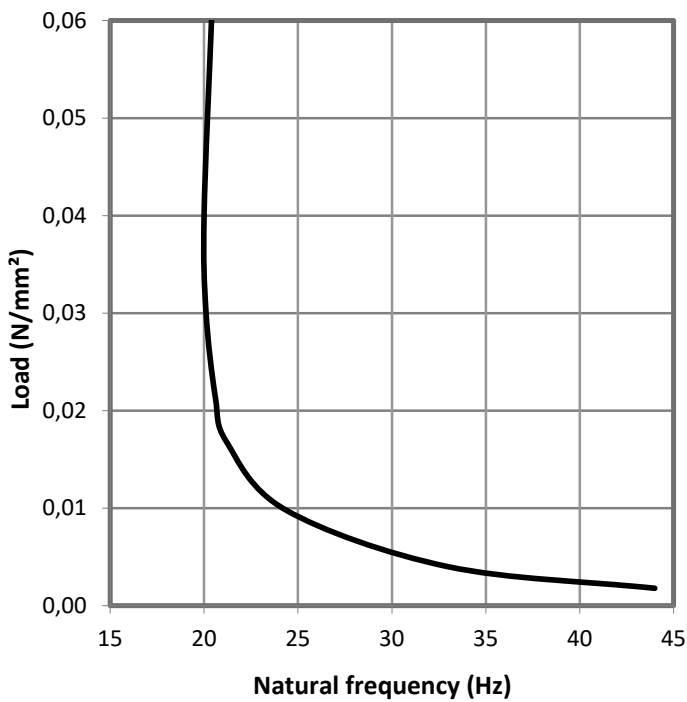
	Unit	$\sigma_{10}$	Tolerance
POINT	kPa	$\geq 10,2$	

STATIC MODULUS



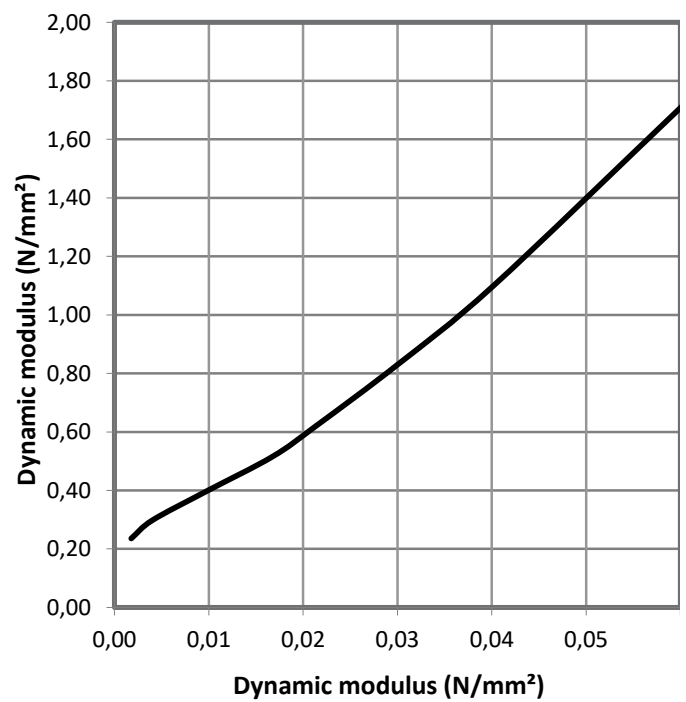
	Unit	$E_{10}$	Tolerance
POINT	MPa	$\geq 0,10$	

NATURAL FREQUENCY



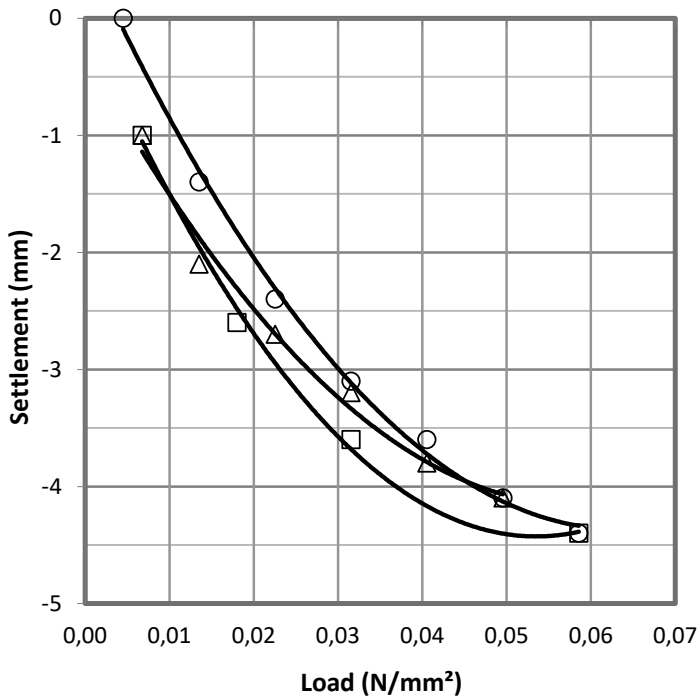
	Unit	$F_{r10}$	Tolerance
POINT	Hz	24	

DYNAMIC MODULUS



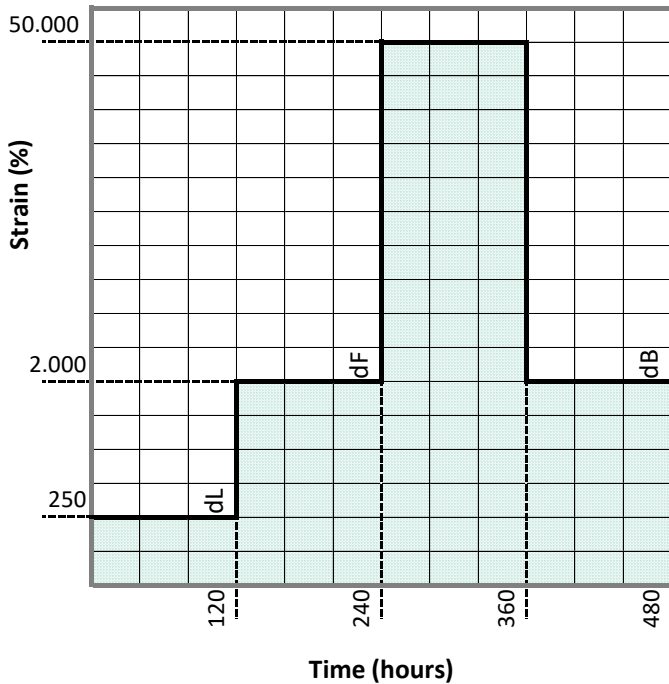
	Unit	$E_{10}$	Tolerance
POINT	MPa	$\geq 0,43$	

## SETTLEMENT ACCORDING TO DIN 18134 <sup>(1)</sup>



<sup>(1)</sup> Sample dimension 300 mm x 300 mm.

## THICKNESS AND COMPRESSIBILITY - EN 12431



	Unit	dL	dF	dB	Tolerance
<b>POINT</b>	mm	<b>18,4</b>	<b>16,9</b>	<b>16,1</b>	± 10%

## INSTALLATION INSTRUCTIONS



Apply the adhesive strip to the wall and floor with particular attention in the corners



Install the acoustic mat with dimpled side facing down. Install the insulation on the whole floor, without leaving any gaps between adjacent panels



Cut the panels on the underside using a knife



Seal the joints between panels with Stik tape



Build the screed. If necessary reinforce the screed with a steel mesh



Install the floor finishing (ceramic or wood). Cut the exceeding part of the edging strip