



## TECHNICAL DATA

## Sylwood

### Acoustic Insulation for reduction of impact sound/noise under wood floors

#### Product description and Technical Specification

..... mm-thick acoustic insulation rolls, made of SBR (Stirene Butadiene Rubber) rubber granules and cork granules that are anchored and hot pressed with polyurethane adhesive. Each roll is ..... m length x 1,00 m width. Density is 700 kg/m<sup>3</sup>.



- good acoustic insulation in reduced thickness
- easy to install
- suitable for application onto existing floors

PHYSICAL CHARACTERISTICS	Standard	Unit	Sylwood 3	Sylwood 5	Tolerance
Nominal thickness <sup>(1)</sup>	EN 12431	mm	3	5	± 0.3
Length		m	20		± 1.5%
Width		m	1.00		± 1.5%
Density		kg/m <sup>3</sup>	700		± 5%
Overall Superficial mass		kg/m <sup>2</sup>	2.1	3.5	± 5%
Colour			black/cork		

ACOUSTIC CHARACTERISTICS	Standard	Unit	Sylwood 3	Sylwood 5	Tolerance
Dynamic stiffness (s')	EN 29052/1	MN/m <sup>3</sup>	625	485	± 20
Dynamic stiffness for dry application <sup>(2)</sup>	EN 29052/1	MN/m <sup>3</sup>	235	225	± 20
Improvement of impact insulation class ( $\Delta$ IIC) <sup>(3)</sup>	ASTM E 2179-03	dB	24	24	
Impact sound reduction improvement ( $\Delta$ Lw) <sup>(3)</sup>	EN ISO 10140	dB	20	20	
Impact sound reduction improvement ( $\Delta$ Lw) <sup>(4)</sup>	EN ISO 10140	dB	17	-	

TECHNICAL CHARACTERISTICS	Standard	Unit	Sylwood 3	Sylwood 5	Tolerance
Compression at strain 10%	EN 826	kPa	357	519	± 5%
Compression strain (dL - 250 Pa)	EN 12431	mm	3.2	5.0	
Compression strain (dF - 2000 Pa)	EN 12431	mm	3.1	4.9	
Compression strain (dB - 50000 → 2000 Pa)	EN 12431	mm	3.1	4.9	
Hardness	DIN 53505	Shore A	55		± 5
Thermal conductivity coefficient ( $\lambda$ )	EN 12667	W/mK	0.12		
Resistance factor to the spread of water vapour ( $\mu$ )	ISO 12572		14		
Fire grade	DIN 4102		B2		

#### 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> Product thickness measured according to norm EN 12431 equal to the value of "Compression strain (dB - 50000 → 2000 Pa)"

<sup>(2)</sup> Measurement executed in deviation from norm EN 29052-1, without applying plaster on the test piece

<sup>(3)</sup> Test report: CA floor 14 cm, sand-cement screed 5 cm, dry-mounted Sylwood, 1.5 cm parquet dry-mounted on Sylwood

<sup>(4)</sup> Test report: CA floor 14 cm, sand-cement screed 5 cm, Sylwood glued to screed, 1.5 cm parquet glued to Sylwood.

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

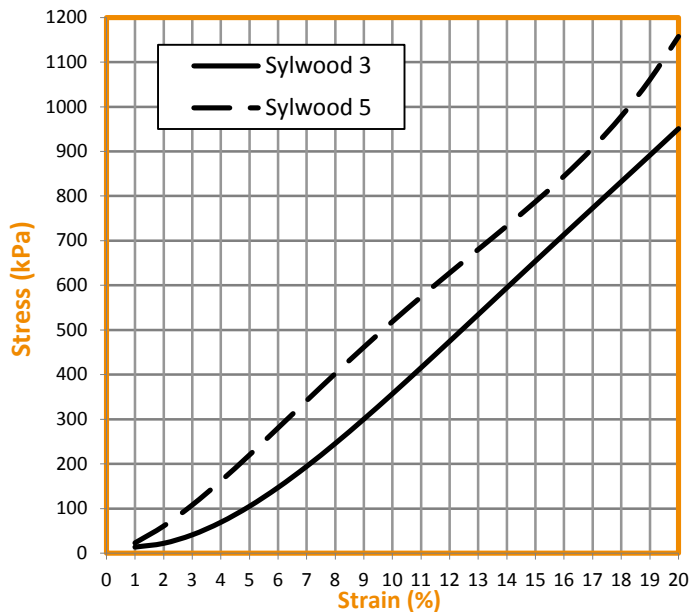


**TECHNICAL DATA**

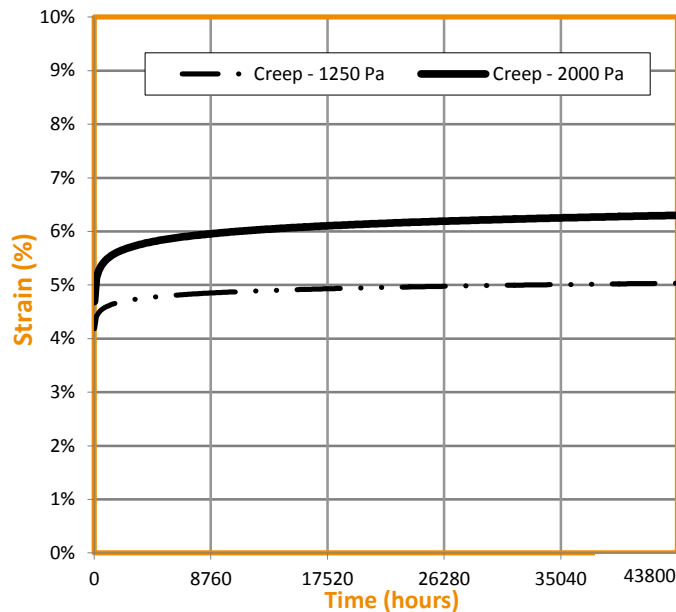
*Sylwood*

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Determination of compression - EN 826 <sup>(5)</sup>



Creep test - EN 1606 <sup>(5)</sup>



<sup>(5)</sup> The initial thickness of the product during testing is equal to the value of pag. 1 "Compression strain (dL - 250 Pa)"; use this value to evaluate the crush rate of the material according to the specified norm

**INSTALLATION INSTRUCTIONS**



Apply the Profile Flat 5 all along the room perimeter.



DRY APPLICATION: lay down the Sylwood and seal the roll jointing borders with the adhesive stik tape; then apply the parquet boards.



GLUE APPLICATION: apply the mat glue, then lay down the Sylwood rolls by jointing the borders with the adhesive stik tape. Glue the parquet boards over the Sylwood mat with the indicated glue.



When the flooring application is completed, cut the exceeding part of the