



# TECHNICAL DATA

## Sylwood

Sound insulation under wooden floors and laminates

### 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 20 m length x 1 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
Thickness		mm	3	5	± 0.3
Length		m	20		± 1.5 %
Width		m	1		± 1.5 %
Density		kg/m <sup>3</sup>	700		± 5%
Superficial weight		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 (dry application) <sup>(1)</sup>	EN 29052/1	MN/m <sup>3</sup>	235	225	± 20
Impact sound pressure level attenuation $\Delta L_w$ - lab. test <sup>(2)</sup>	EN ISO 10140	dB	20	20	± 20
Impact sound pressure level attenuation $\Delta L_w$ - lab. test <sup>(3)</sup>	EN ISO 10140	dB	17	-	

TECHNICAL CHARACTERISTICS	Standard	Unit	Sylwood 3	Sylwood 5	Tolerance
Compression load (deformation 10%)	EN 826	kPa	357	519	± 5%
Thickness under load dL (250 Pa)	EN 12431	mm	3,2	5,0	
Thickness under load dF (2 kPa)	EN 12431	mm	3,1	4,9	
Thickness under load dB (50 kPa → 2 kPa)	EN 12431	mm	3,1	4,9	
Level for compressibility	EN 13162		CP2		
Hardness	DIN 53505	Shore A	55		± 5
Thermal conductivity coefficient $\lambda$	EN 12667	W/m <sup>2</sup> K	0,12		
Water vapour diffusion resistance factor $\mu$	EN 12086		14		
Water vapour transmission Sd	EN 12086		0,042 - 0,070		
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> Measurement executed in deviation from norm EN 29052-1, without applying plaster on the test sample

<sup>(2)</sup> Test report: CA floor 14 cm, sand-cement screed 5 cm, dry-mounted Sylwood, 1.5 cm parquet dry-mounted on Sylwood

<sup>(3)</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.

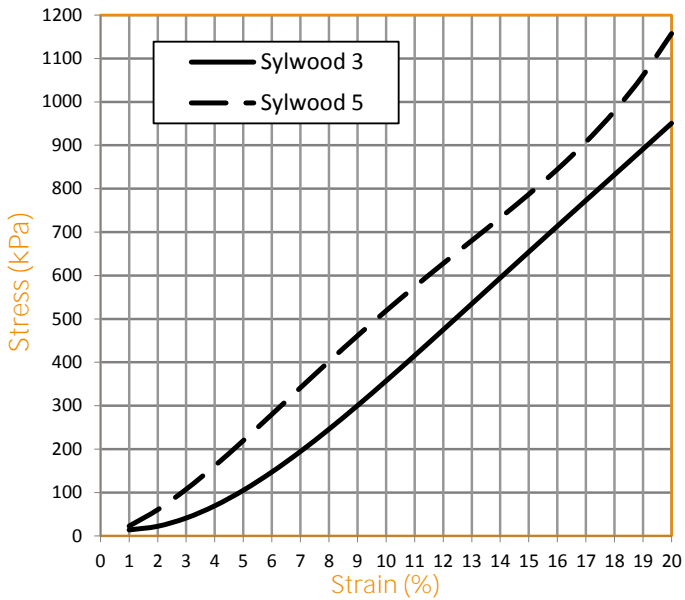


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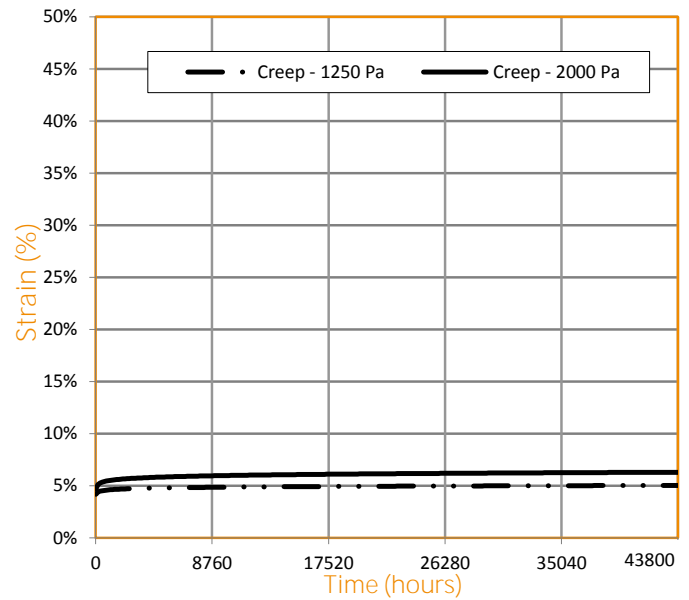
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Compression behavior EN 826



Creep behavior EN 1606 <sup>(4)</sup>



<sup>(4)</sup> The initial thickness of the product during testing is equal to the value of pag. 1 "Thickness under load dL (250 Pa)"

INSTALLATION INSTRUCTIONS



Apply the Profyle 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