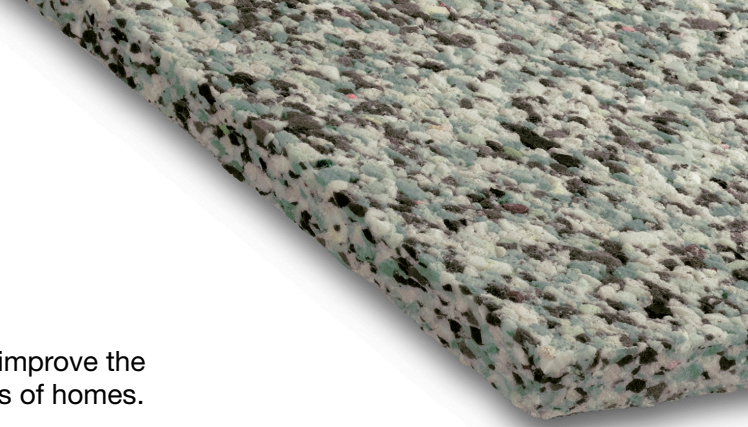




# dB Silentwall®

Panels of agglomerated polyurethane foam and fibres to improve the thermal and transmission sound insulation of interior walls of homes.



## Application(s)

Silentwall® is a product designed to improve internal sound and thermal insulation; it may be applied to a separation wall between two apartments (in the same building), as well as to the inside of an exterior wall and on the separation wall of a house.

Composition: Polyurethane foam chips & Heat-fusible fibres.

## Board

Features	Standards	Value	Units
<b>Dimensions and tolerances</b>			
Standard thickness	EN 823	40	mm
Standard sizes	EN 822	1200 x 600 2500 x 600 2600 x 1200	mm
Density	EN 1602	80	kg/m <sup>3</sup>
<b>Appearance**</b>			
Appearance of surface	Respects a flat surface	Agglomerated foam	
Finish of edges	Straight-line cut, square edges	Agglomerated foam	
Profile of edges	Straight-line cut, square edges	Agglomerated foam	

\* Silentwall® must always be covered with at least a 12.5 mm thick plasterboard in order to meet fire safety requirements.

\*\* Product manufactured from recycled materials. The composition and visual appearance may vary, but this will not affect performance.

The plasterboard joints should be sufficiently offset in relation to the Silentwall® joints.

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### Recticel Insulation

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[www.recticelinsulation.co.uk](http://www.recticelinsulation.co.uk)

FEEL  
GOOD  
INSIDE

**RECTICEL**  
insulation

<b>Essential Characteristics</b>			
<b>Features</b>	<b>Standards</b>	<b>Value</b>	<b>Units</b>
Thermal conductivity (measured value)	EN 12667	0.037	W/m.K
Thermal resistance R	EN 12667	1,05	m <sup>2</sup> K/W
Volatile organic compounds analysis	ISO 16000	A+	
<b>Sound properties</b>			
Airborne sound insulation *	EN ISO 10140-1 EN ISO 10140-2 EN ISO 717-1	ΔR <sub>w</sub> = 12	dB
<b>Mechanical properties</b>			
Tensile strength perpendicular to 2 faces	EN 1607	≥40	kPa
<b>Reaction to fire</b>	EN 13501-1	B-s1, d0	B
(always cover with a plasterboard of 12.5 mm)			
Reaction to fire (Silentwall <sup>®</sup> only)		NPD	
* Sound test report reference AC7445 of Simfofit <sup>®</sup> in "end use" covered with a 18 mm thick plasterboard, glued with a Recticel glue (same composition and characteristics as Silentwall <sup>®</sup> ).			
Test report reference N° D-231216-10619 of Simfofit <sup>®</sup> (same composition and characteristics as Silentwall <sup>®</sup> ).			
VOC test report reference N°D-231216-10619 (Simfofit <sup>®</sup> - same composition and characteristics as Silentwall <sup>®</sup> )			

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