



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
Dimensions and tolerances			
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/m3
Appearance**			
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.

Care has been taken to ensure that the content of this document is as accurate as possible. Please note that technical specifications may vary from country to country. Recticel Insulation does not accept any liability for clerical errors and reserves the right to amend information without prior notice. This document does not create, specify, modify or replace any new or prior contractual obligations agreed upon in writing between Recticel Insulation and the user.

Recticel Insulation

Enterprise Way, Whittle Road, Meir Park, Stoke-on-Trent, Staffordshire, ST3 7UN, UK

www.recticelinsulation.co.uk

FEEL
GOOD
INSIDE



Essential Characteristics

Features	Standards	Value	Units
Thermal conductivity (measured value)	EN 12667	0.037	W/m.K
Thermal resistance R	EN 12667	1,05	m²K/W
Volatile organic compounds analysis	ISO 16000	A+	
Sound properties			
Airborne sound insulation *	EN ISO 10140-1 EN ISO 10140-2 EN ISO 717-1	$\Delta R_w = 12$	dB
Mechanical properties			
Tensile strength perpendicular to 2 faces	EN 1607	≥ 40	kPa
Reaction to fire	EN 13501-1	B-s1, d0	B
(always cover with a plasterboard of 12.5 mm)			
Reaction to fire (Silentwall® only)		NPD	

* Sound test report reference AC7445 of Simfofit® in "end use" covered with a 18 mm thick plasterboard, glued with a Recticel glue (same composition and characteristics as Silentwall®).
 Test report reference N° D-231216-10619 of Simfofit® (same composition and characteristics as Silentwall®).
 VOC test report reference N°D-231216-10619 (Simfofit® - same composition and characteristics as Silentwall®)

Care has been taken to ensure that the content of this document is as accurate as possible. Please note that technical specifications may vary from country to country. Recticel Insulation does not accept any liability for clerical errors and reserves the right to amend information without prior notice. This document does not create, specify, modify or replace any new or prior contractual obligations agreed upon in writing between Recticel Insulation and the user.

Recticel Insulation

Enterprise Way, Whittle Road, Meir Park, Stoke-on-Trent, Staffordshire, ST3 7UN, UK

www.recticelinsulation.co.uk

FEEL
GOOD
INSIDE

RECTICEL
insulation