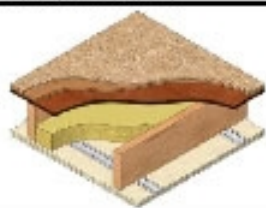




SOUNDSTOP DB-BOARDS

Acoustic Systems

Solid Timber Joists	Construction	Airborne R_w (Ctr) - dB	Impact L_{wv} - dB
	18mm OSB (or 7mm laminate etc.) 15mm Db-boards 18mm OSB 235mm Solid Timber Joists (100mm 10kg Mineral Wool Quilt) 16mm Resilient Bars 2 x 15mm Plasterboard	60 (-6)	53
	No top decking	59 (-6)	56

Timber I-Joists	Construction	Airborne R_w (Ctr) - dB	Impact L_{wv} - dB
	18mm OSB (or 7mm laminate etc.) 15mm Db-boards 18mm OSB 300mm Timber I-Joists (100mm 45kg Mineral Wool Quilt) 16mm Resilient Bars 2 x 15mm Plasterboard	60 (-7)	55
	No top decking	58 (-8)	57

Single Leaf - Timber Stud	Construction	Airborne R_w (Ctr) - dB	Impact L_{wv} - dB
	1 x 15mm Plasterboard 1 x 15mm Db-boards 100mm Timber Stud (no cavity insulation) 1 x 15mm Plasterboard	50 (-5)	-

Upgrade - Solid Block	Construction	Airborne R_w (Ctr) - dB	Impact L_{wv} - dB
	1 x 15mm Plasterboard 1 x 15mm Db-boards 100mm 650kg/m ³ Lightweight Block Wall Opposite Side Bare (to upgrade) Upgrade: 1 x 15mm Plasterboard 1 x Db-boards on resilient bars	48 (-5) (one side bare) R_w Improvement = 6dB (call for test results)	-

For additional Phonewell® solutions, including concrete floors, see our web site or contact our team

Technical Specification

Data	Measurement	Verification
Length x Width x Depth	1200 x 800 x 15mm	
Weight	18.0 Kg/m ²	
Density	1200 Kg/m ³	
Airborne Sound Reduction	$R_w = 36dB$ (Ctr = -4)	DIN EN ISO 717-1
Impact Sound Reduction	$\Delta L_w = 21dB$	DIN EN ISO 717-2
Impact Sound Reduction	Up to 65dB	DIN EN ISO 717-2
Fire Behaviour	B2	DIN 4102
Thermal Conductivity	0.17 W/mK	DIN 52612
Pressure Solidity	5.0 kN/m ²	DIN 1055: 2002
Areas of Application	1,2,3,4	DIN 1055: 1971
Areas of Application	A,B,C1,C2,C3,C4,C5,D1,D2	DIN 1055: 2002
Bending Tensile Strength	2107 N - Lengthwise	DIN EN 520
Bending Tensile Strength	2123 N - Widthwise	DIN EN 520

Accreditation

The **Db-boards** solutions have been tested to BS EN ISO 140 series and BS EN ISO 717 series, in the UKAS accredited laboratory at SRL, to meet the requirements of Approved Document E. However, small variances in performance on site may result, due to workmanship or other external factors.

With this in mind it is important to note there is no product, system, manufacturer or supplier that can offer any guarantee of performance on site, hence the requirement for spot check Pre-Completion Testing of Robust Details.



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Unrivalled and Only 15mm