

Data Sheet II

Laboratory Measurement of Sound Reduction Index to BS EN ISO 10140-2:2021

Test Number:	11	Test Room:	Source	Receiving
Client:	AMC Mecanocaucho	Air Temperature:	16.7 °C	16.5 °C
Test Date:	24/05/2024	Air Humidity:	67 %	67 %
Sample Height:	4.29 m	Volume:	67.2 m ³	52 m ³
Sample Width:	4.30 m	Air Pressure:	1013 mbar	
Sample Weight:	24.0 kg/m ²			
Product Identification:	1x18mm OSB Board, 235x50mm Solid Timber Joists at 450mm Centres, 100mm Knauf Earthwool, AMC Channel Clips Supported by AMC L Brackets at 450mm Centres, MF5 Ceiling Channel at Nominally 1200mm Centres, 1x15mm Knauf Soundshield Plus			

Frequency Hz	Sound Reduction Index, dB	
	1/3 Oct	Octave
50+	26.3	26.0
63+	23.7	
80+	30.2	
100	33.3	37.3
125	42.4	
160	44.1	
200	44.7	48.0
250	50.0	
315	54.0	
400	58.9	60.6
500	60.8	
630	63.1	
800	66.7	68.4
1000	69.1	
1250	70.0	
1600	69.9	65.6
2000	66.0	
2500	63.3	
3150	68.3	71.8
4000	74.0	
5000	79.1 *	
6300+	83.6 *	79.7
8000+	83.2 >	
10000+	76.3 >	
Average 100-3150	57.8	SRL Version 3

* shows measurement corrected for background

> shows measurement limited by background

+ shows Frequency beyond standard and not UKAS accredited

Rating according to BS EN ISO 717-1:2020

R_w(C;C_{tr})= 61 (-3;-10) dB

