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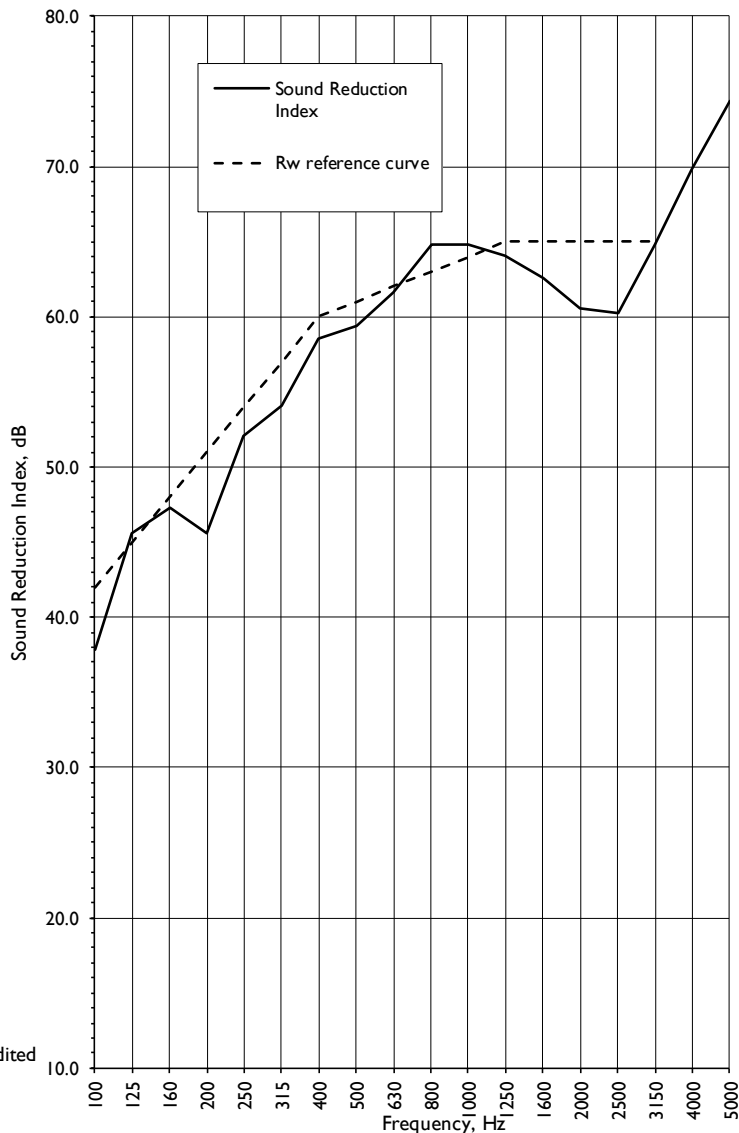
**Data Sheet 3**

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

<b>Test Number:</b>	3	<b>Test Room:</b>	<b>Source</b>	<b>Receiving</b>
<b>Client:</b>	AMC Mecanocaucho	<b>Air Temperature:</b>	17.1 °C	16.8 °C
<b>Test Date:</b>	23/05/2024	<b>Air Humidity:</b>	70 %	68 %
<b>Sample Height:</b>	4.29 m	<b>Volume:</b>	67.2 m <sup>3</sup>	52 m <sup>3</sup>
<b>Sample Width:</b>	4.30 m	<b>Air Pressure:</b>	1005 mbar	
<b>Sample Weight:</b>	37.1 kg/m <sup>2</sup>			

**Product Identification:** 1x18mm OSB Board, 235x50mm Solid Timber Joists at 450mm Centres, 100mm Knauf Earthwool, Libra Resilient Bar at Nominally 400mm Centres, 2x15mm Knauf Soundshield Plus

Frequency Hz	Sound Reduction Index, dB	
	1/3 Oct	Octave
50+	29.5	26.6
63+	23.0	
80+	33.0	
100	37.8	41.5
125	45.6	
160	47.3	
200	45.6	49.0
250	52.1	
315	54.1	
400	58.6	59.7
500	59.4	
630	61.6	
800	64.8	64.6
1000	64.8	
1250	64.1	
1600	62.6	61.1
2000	60.6	
2500	60.3	
3150	64.8	68.0
4000	69.8	
5000	74.4 *	
6300+	78.2 *	77.8
8000+	79.9 >	
10000+	76.1 >	
Average 100-3150	56.5	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<sub>w</sub>(C;C<sub>tr</sub>)= 61 (-2;-7) dB**