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Data Sheet 6

Laboratory Measurement of Normalised Impact Sound Pressure Levels to BS EN ISO 10140-3:2021

Test Number:	6	Test Room:	Source	Receiving
Client:	AMC Mecanocaucho	Air Temperature:	17.3 °C	17 °C
Test Date:	23/05/2024	Air Humidity:	72 %	70 %
Sample Height:	4.29 m	Volume:	67.2 m ³	52 m ³
Sample Width:	4.30 m	Air Pressure:	1007 mbar	
Sample Weight:	37.1 kg/m ²			
Product Identification:	1x18mm OSB Board, 235x50mm Solid Timber Joists at 450mm Centres, 100mm Knauf Earthwool, AMC Channel Clips at 450mm Centres, MF5 Ceiling Channel at Nominally 1200mm Centres, 2x15mm Knauf Soundshield Plus			

Frequency, f Hz	Normalised Impact Sound Pressure Levels, dB	
	½ Oct	Octave
50+	61.4	69.0
63+	64.4	
80+	65.8	
100	63.2	68.3
125	63.6	
160	63.8	
200	65.0	66.8
250	59.8	
315	58.5	
400	60.0	62.9
500	58.1	
630	55.0	
800	51.5	53.7
1000	48.5	
1250	43.8	
1600	39.2	42.8
2000	37.6	
2500	36.9	
3150	29.6	30.5
4000	22.3	
5000	15.2 *	

Rating according to BS EN ISO 717-2:2020
L_{n,w} (C_i)= 56(0) dB
 * shows measurement corrected for background
 > shows measurement limited by background
 + shows Frequency beyond standard and not UKAS accredited
 v 1.1

