

Data Sheet 10

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

Test Number:	10	Test Room:	Source	Receiving
Client:	AMC Mecanocaicho	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:	37.1 kg/m ²			
Product	1x18mm OSB Board, 235x50mm Solid Timber Joists at 450mm Centres, 100mm Knauf Earthwool, AMC Channel Clips			
Identification:	Supported by AMC L Brackets 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+	61.1	68.8
63+	63.7	
80+	65.9	
100	63.6	70.4
125	67.3	
160	65.1	
200	63.4	65.6
250	58.9	
315	58.5	
400	60.6	63.8
500	59.0	
630	56.5	
800	52.3	54.2
1000	48.7	
1250	43.2	
1600	39.2	42.0
2000	36.8	
2500	34.6	
3150	29.5	30.2
4000	21.3	
5000	12.8 *	
Rating according to BS EN ISO 717-2:2020		
L _{n,w} (C _i)= 57(0) dB		
* shows measurement corrected for background		
> shows measurement limited by background		
+ shows Frequency beyond standard and not UKAS accredited		
v 1.1		

