

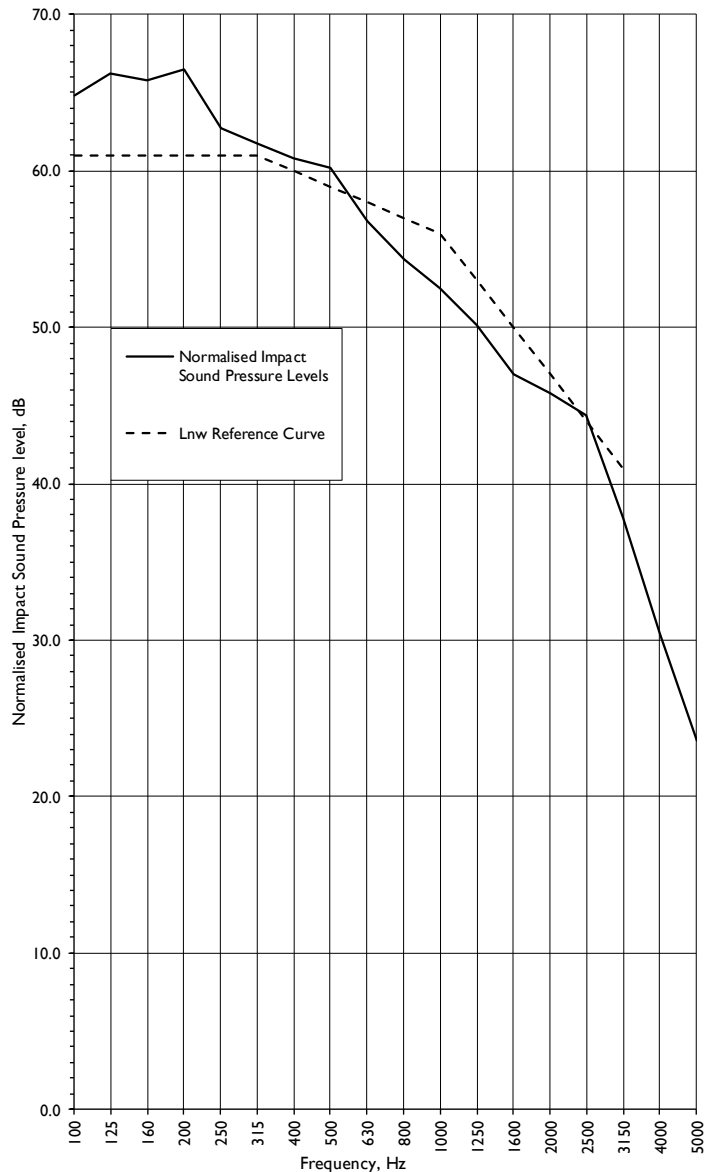
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Data Sheet 4

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

Test Number:	4	Test Room:	Source	Receiving
Client:	AMC Mecanocaucho	Air Temperature:	17.1 °C	16.8 °C
Test Date:	23/05/2024	Air Humidity:	70 %	68 %
Sample Height:	4.29 m	Volume:	67.2 m ³	52 m ³
Sample Width:	4.30 m	Air Pressure:	1005 mbar	
Sample Weight:	37.1 kg/m ²			
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, f Hz	Normalised Impact Sound Pressure Levels, dB	
	½ Oct	Octave
50+	62.4	73.6
63+	71.0	
80+	69.3	
100	64.8	70.4
125	66.2	
160	65.8	
200	66.5	
250	62.7	68.9
315	61.8	
400	60.8	
500	60.2	64.4
630	56.8	
800	54.3	57.4
1000	52.5	
1250	50.1	
1600	47.0	50.6
2000	45.8	
2500	44.4	
3150	37.8	38.7
4000	30.4	
5000	23.6	



Rating according to BS EN ISO 717-2:2020
L_{n,w} (C₁)= 59(-1) dB
 * shows measurement corrected for background
 > shows measurement limited by background
 + shows Frequency beyond standard and not UKAS accredited
 v 1.1