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**Data Sheet 2**

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

<b>Test Number:</b>	2	<b>Test Room:</b>	Source	Receiving
<b>Client:</b>	AMC Mecanocaicho	<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>			
<b>Product Identification:</b>	1x18mm OSB Board, 235x50mm Solid Timber Joists at 450mm Centres, 100mm Knauf Earthwool, 2x15mm Knauf Soundshield Plus			

Frequency, f Hz	Normalised Impact Sound Pressure Levels, dB	
	1/3 Oct	Octave
50+	67.6	78.2
63+	67.4	
80+	77.4	
100	77.5	89.2
125	86.6	
160	85.0	
200	83.6	86.1
250	79.0	
315	80.1	
400	81.4	83.7
500	77.9	
630	75.6	
800	74.6	76.2
1000	69.6	
1250	66.0	
1600	61.6	64.9
2000	60.4	
2500	57.6	
3150	50.7	51.6
4000	43.5	
5000	36.3	
Rating according to BS EN ISO 717-2:2020		
<b>L<sub>n,w</sub> (C<sub>i</sub>)= 76(1) dB</b>		
* shows measurement corrected for background		
> shows measurement limited by background		
+ shows Frequency beyond standard and not UKAS accredited		
v 1.1		

