

**CAM21010001-1: FLOOR MOUNT 25 22MM OSB BOARD FINISH**

**Client: AMC Mekanocaucho**

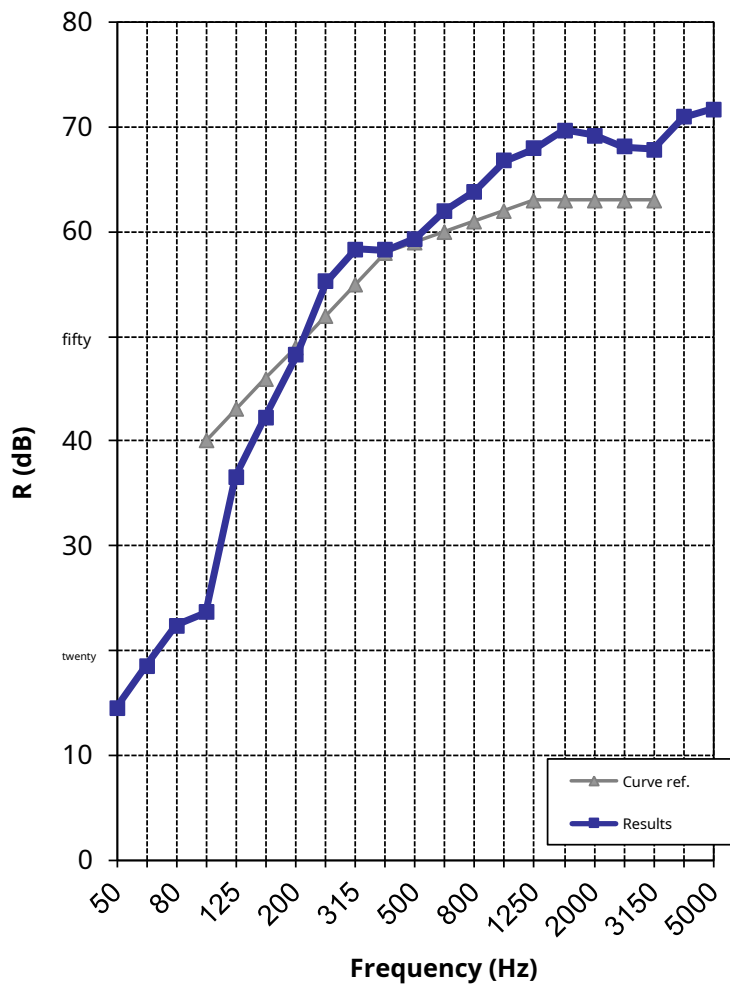
**Sample identification:**

Light reference slab + Akustik + Sylomer Floor Mount 25 with 50x50 mm wooden battens with 45 mm mineral wool between battens + 22 mm OSB board

**Total thickness:** 330 mm

**Surface mass:** 63.65 kg / m<sup>two</sup>

<i>Freq.</i> <i>F</i> <i>Hz</i>	<i>R</i> <i>dB</i>
<i>fifty</i>	<b>14.6</b>
<b>63</b>	<b>18.5</b>
<b>80</b>	<b>22.4</b>
<b>100</b>	<b>23.6</b>
<b>125</b>	<b>36.6</b>
<b>160</b>	<b>42.3</b>
<b>200</b>	<b>48.2</b>
<b>250</b>	<b>≥ 55.2</b>
<b>315</b>	<b>≥ 58.3</b>
<b>400</b>	<b>≥ 58.3</b>
<b>500</b>	<b>≥ 59.3</b>
<b>630</b>	<b>≥ 62.0</b>
<b>800</b>	<b>≥ 63.8</b>
<b>1000</b>	<b>≥ 66.8</b>
<b>1250</b>	<b>≥ 67.9</b>
<b>1600</b>	<b>69.7</b>
<b>2000</b>	<b>69.2</b>
<b>2500</b>	<b>68.1</b>
<b>3150</b>	<b>67.9</b>
<b>4000</b>	<b>≥ 70.9</b>
<b>5000</b>	<b>≥ 71.7</b>



Global insulation calculated according to ISO 717-1: 2013:

R<sub>w</sub> (C; C<sub>tr</sub>; C<sub>50-5000</sub>; C<sub>tr</sub>, 50-5000) = 59 (-7; -16; -10; -23) dB Global insulation in dBA between 50 - 5000Hz:

R (A) = 48.8 dBA

**CAM21010001-1: AIRBORNE NOISE INSULATION IMPROVEMENT**

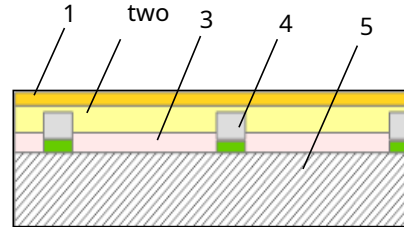
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**Sample identification:**

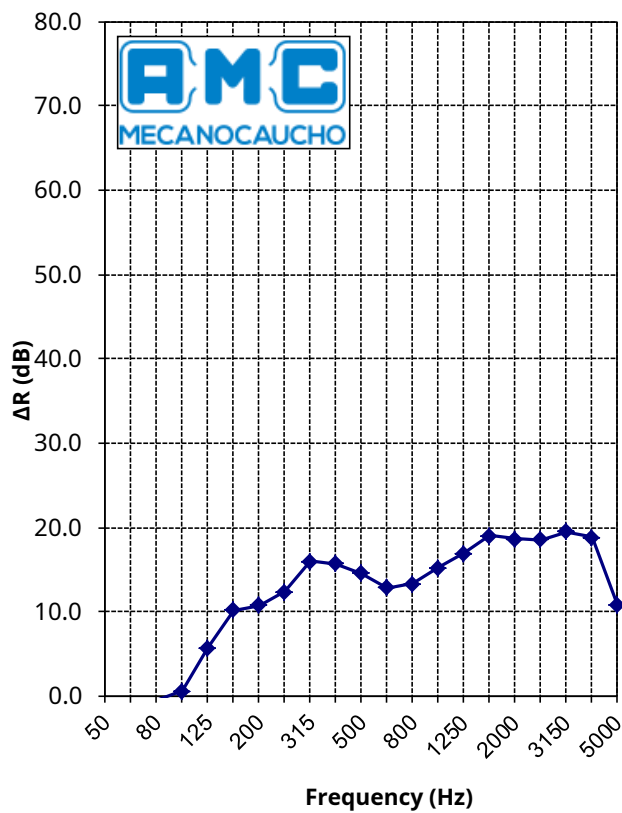
- (1) OSB board 22 mm
- (two) Wooden slats 5 cm
- (3) Mineral wool 45 mm
- (4) Akustik + Sylomer® Floor Mount 25 Support
- (5) Reference light slab

**Testing method:** UNE-EN ISO 10140-1, Annex G

**Thickness:** 33 cm; **Surface mass:** 63.65 kg / m<sup>2</sup>



Freq. F Hz	Rwith dB	Rsin dB	ΔR dB
fifty	14.6	15.7	- 1.1
<b>63</b>	18.5	21.8	- 3.3
<b>80</b>	22.4	22.9	- 0.5
<b>100</b>	23.6	23.0	0.6
<b>125</b>	36.6	30.9	5.7
<b>160</b>	42.3	32.1	10.2
<b>200</b>	48.2	37.4	10.8
<b>250</b>	55.2	42.8	12.4
<b>315</b>	58.3	42.3	16.0
<b>400</b>	58.3	42.6	15.7
<b>500</b>	59.3	44.7	14.6
<b>630</b>	62.0	49.2	12.8
<b>800</b>	63.8	50.5	13.3
<b>1000</b>	66.8	51.6	15.2
<b>1250</b>	67.9	51.0	16.9
<b>1600</b>	69.7	50.7	19.0
<b>2000</b>	69.2	50.6	18.6
<b>2500</b>	68.1	49.6	18.5
<b>3150</b>	67.9	48.4	19.5
<b>4000</b>	70.9	52.1	18.8
<b>5000</b>	71.7	60.9	10.8



Rwef (C; Ctr) sin = 48 (-2; -2) dB

Rwref (C; Ctr) con = 59 (-7; -10) dB

Δ (Rw + C) direct = 6 dB Δ

(Rw + Ctr) direct = 3 dB

**ΔR (A) (DB-HR) = 6 dBA**

Test date: March 3-4, 2021

ΔRw direct = 11 dB

Made by:

Reviewed by:

Signed: MarcosMerillas

Signed: Ángel Arenaz