

CAM21010001-1: IMPACT NOISE INSULATION

Client: AMC Mekanocaucho

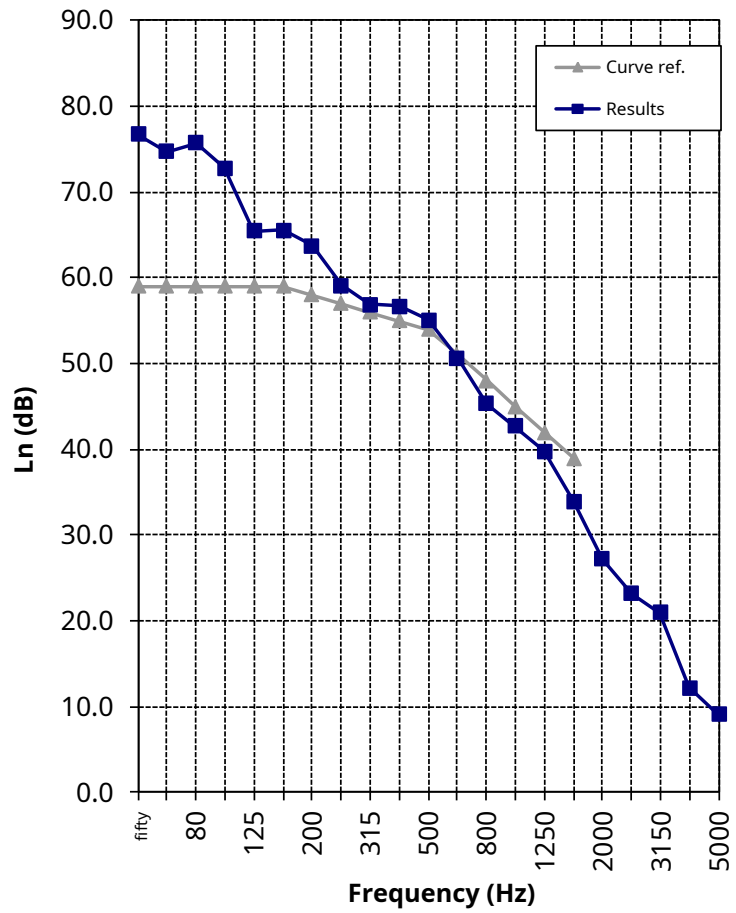
Sample identification:

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

Total thickness: 330 mm

Surface mass: 63.65 kg / m^{two}

Freq. F Hz	Ln dB
<i>fifty</i>	76.7
63	74.7
80	≤ 75.7
100	72.8
125	65.4
160	65.6
200	63.7
250	59.1
315	56.9
400	56.6
500	55.1
630	50.6
800	45.4
1000	42.7
1250	39.8
1600	33.9
2000	27.1
2500	23.2
3150	20.9
4000	≤ 12.1
5000	≤ 9.0



Global impact noise calculated according to ISO 717-2: 2013.

Ln, w (CI) = 57 (3) dB

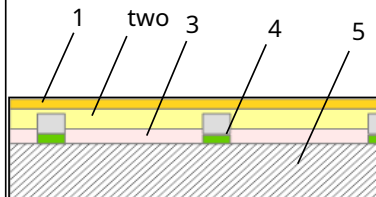
Evaluation based on laboratory measurement results obtained using an engineering method

CAM21010001-1: IMPROVEMENT OF IMPACT NOISE INSULATION

Client:AMC Mecanocaucho

Sample identification:

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

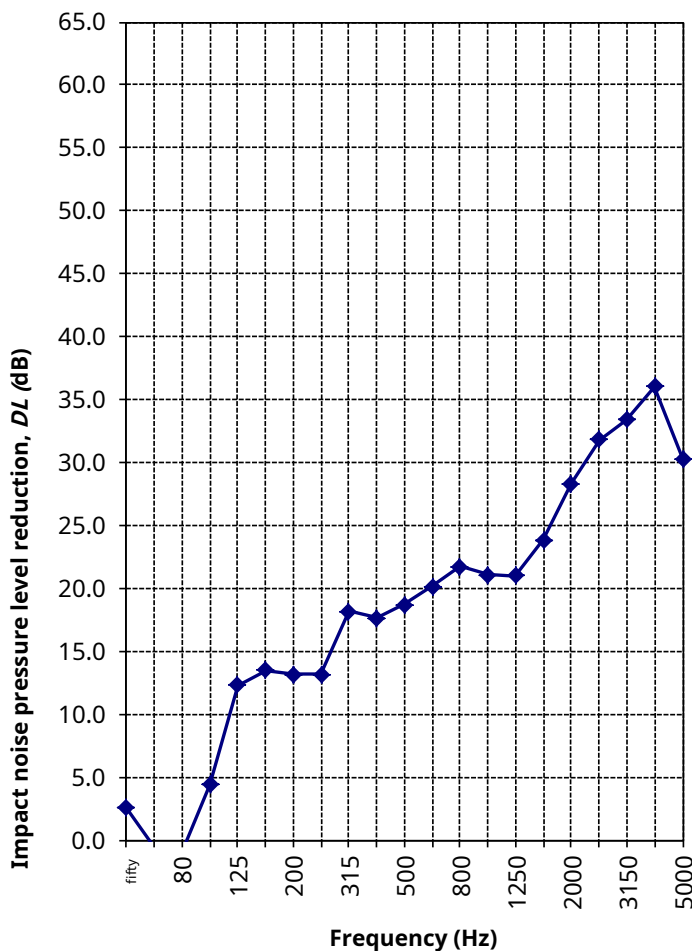


Testing method: UNE-EN ISO 10140-1, Annex H.

Category II sample

Thickness: 33 cm; **Surface mass:** 63.6 kg / m²

<i>Freq.</i> <i>F</i> <i>Hz</i>	<i>L_{n,0}</i> <i>dB</i>	<i>DL</i> <i>dB</i>
<i>fifty</i>	79.3	2.6
63	74.0	- 0.7
80	74.6	- 1.1
100	77.2	4.4
125	77.7	12.3
160	79.0	13.5
200	76.9	13.2
250	72.3	13.2
315	75.0	18.2
400	74.3	17.6
500	73.8	18.7
630	70.7	20.1
800	67.1	21.7
1000	63.7	21.1
1250	60.8	21.0
1600	57.8	23.9
2000	55.4	28.3
2500	54.9	31.8
3150	54.1	33.4
4000	48.2	36.0
5000	39.3	30.3



Weighted reduction of the impact sound pressure level according to ISO 717-2: 2013

DL_w = 25 dB

CIΔ = -9 dB

Ln_{w, r} = 53 dB

CI, r = -2 dB

Ln_{w, 0} = 71 dB

CI, 0 = 0 dB

Test date:

March 3 and 4
2021