

CAM21010001-2: IMPACT NOISE INSULATION

Client: AMC Mekanocaucho

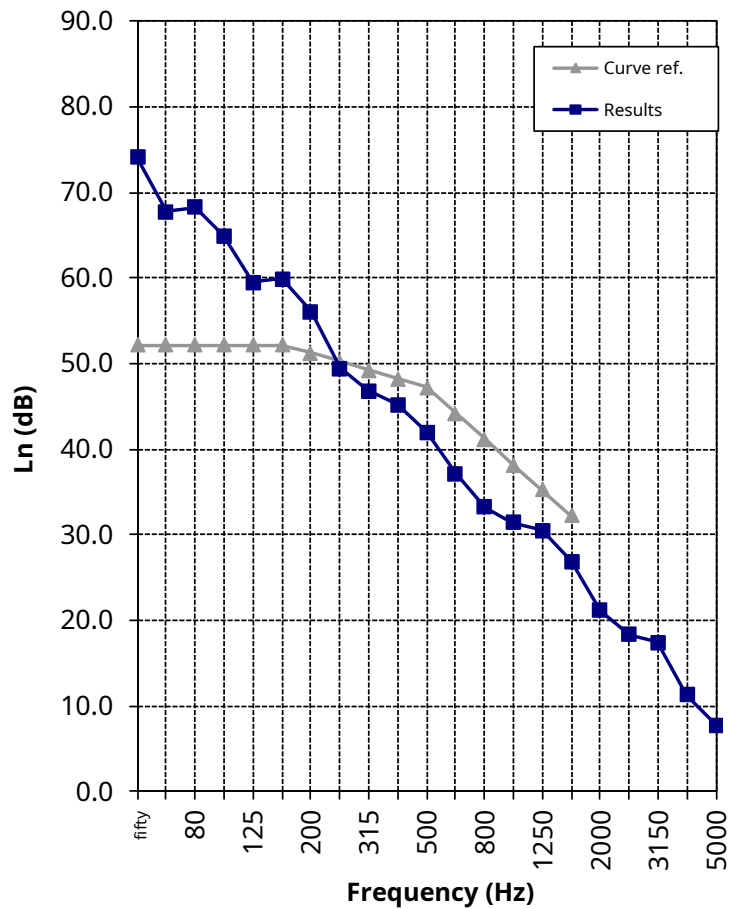
Sample identification:

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: 340 mm

Surface mass: 88 kg / m^{two}

<i>Freq.</i> <i>F</i> <i>Hz</i>	<i>Ln</i> <i>dB</i>
<i>fifty</i>	74.1
63	67.8
80	≤ 68.3
100	64.9
125	59.5
160	59.9
200	56.1
250	49.4
315	46.8
400	45.2
500	42.0
630	37.2
800	33.2
1000	31.4
1250	30.5
1600	26.9
2000	21.2
2500	18.3
3150	17.4
4000	≤ 11.3
5000	≤ 7.8



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

$L_n, w (CI) = 50.2 (2) \text{ dB}$

Evaluation based on laboratory measurement results obtained using an engineering method

CAM21010001-2: IMPROVEMENT OF IMPACT NOISE INSULATION

Client: AMC Mecanocaucho

Sample identification:

(1) Rigidur H BR 13 mm

(two) Rigidur hearth 20 mm

(3) Wooden slats 5 cm

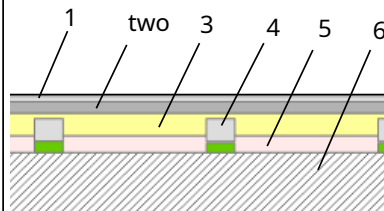
(4) Mineral wool 45 mm

(5) Akustik + Sylomer® Floor Mount 25 support

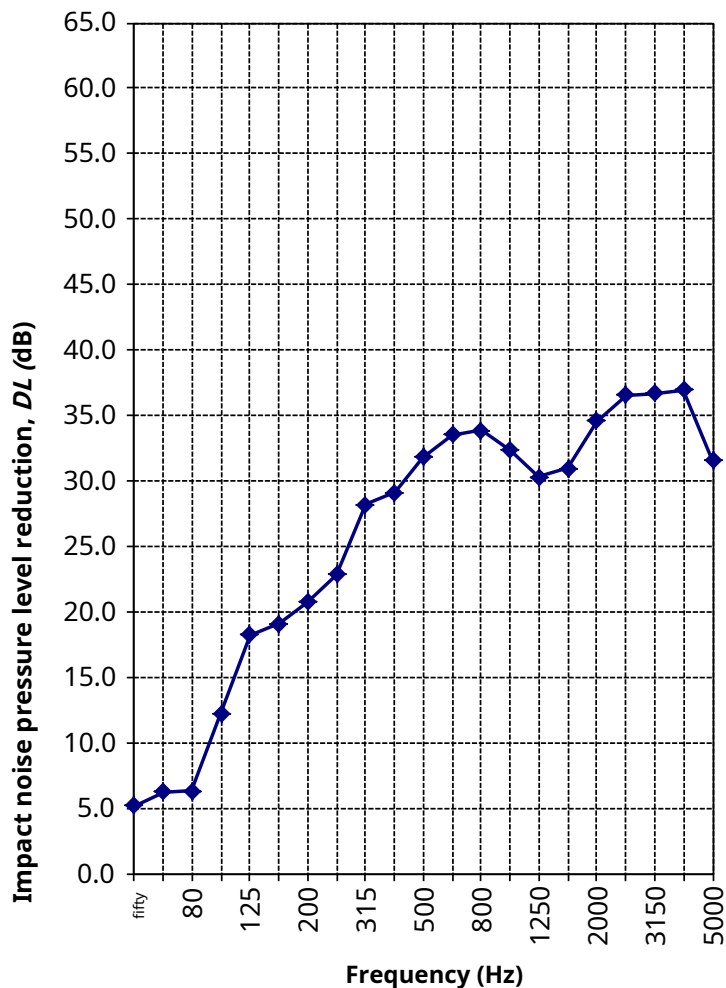
(6) Reference light slab

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

Thickness: 34 cm; **Surface mass:** 88 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	5.2
63	74.0	6.3
80	74.6	6.3
100	77.2	12.3
125	77.7	18.2
160	79.0	19.1
200	76.9	20.8
250	72.3	22.9
315	75.0	28.2
400	74.3	29.1
500	73.8	31.8
630	70.7	33.5
800	67.1	33.9
1000	63.7	32.3
1250	60.8	30.3
1600	57.8	30.9
2000	55.4	34.6
2500	54.9	36.6
3150	54.1	36.7
4000	48.2	36.9
5000	39.3	31.5



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

DL_w = 32 dB

CIA = -8 dB

Ln_{w, r} = 46 dB

CI, r = -3 dB

Ln_{w, 0} = 71 dB

CI, 0 = 0 dB

Test date:

March 3 and 10
2021