

CAM21010001-2: FLOOR MOUNT 25 WITH RIGIDUR SOLERA 20 MM + RIGIDUR H 13MM

Client: AMC Mecanocaucho

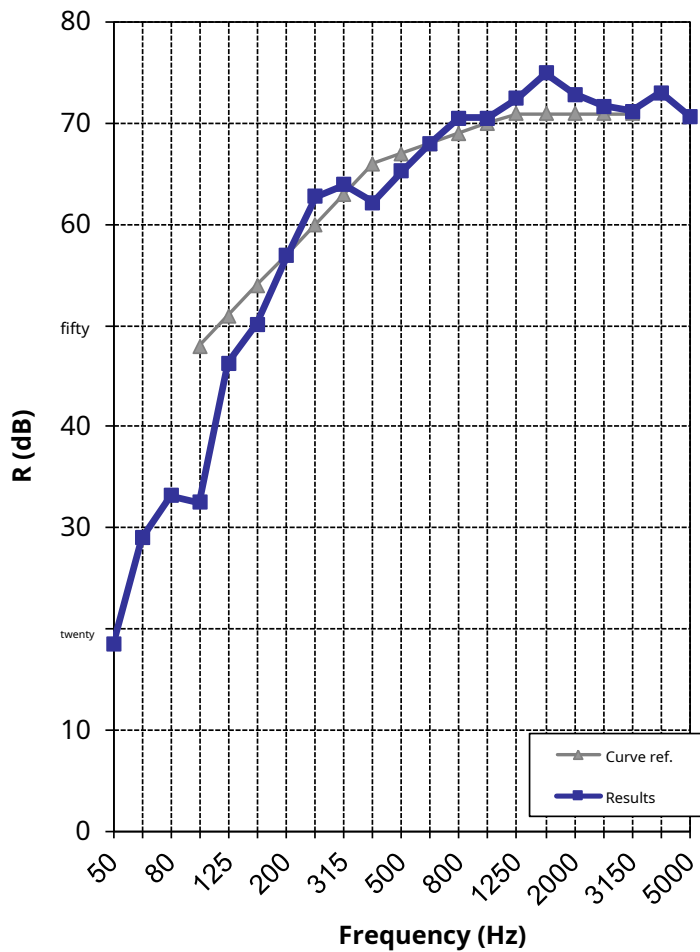
Sample identification:

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: 340 mm

Surface mass: 88 kg / m^{two}

<i>Freq.</i> <i>F</i> <i>Hz</i>	<i>R</i> <i>dB</i>
<i>fifty</i>	18.4
63	29.0
80	33.2
100	32.5
125	46.3
160	50.2
200	≥ 56.9
250	≥ 62.8
315	≥ 63.9
400	≥ 62.2
500	≥ 65.3
630	≥ 68.0
800	≥ 70.5
1000	≥ 70.5
1250	≥ 72.5
1600	≥ 75.0
2000	≥ 72.9
2500	71.8
3150	71.2
4000	≥ 73.1
5000	70.7



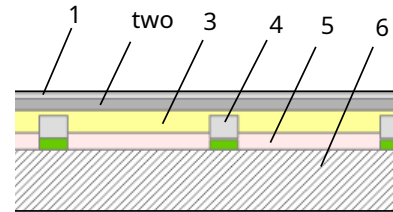
Global insulation calculated according to ISO 717-1: 2013:

R_w (C; Ctr; C50-5000; Ctr, 50-5000) ≥ 67 (-7; -15; -11; -25) dB Global isolation in dBA between 50 - 5000Hz:

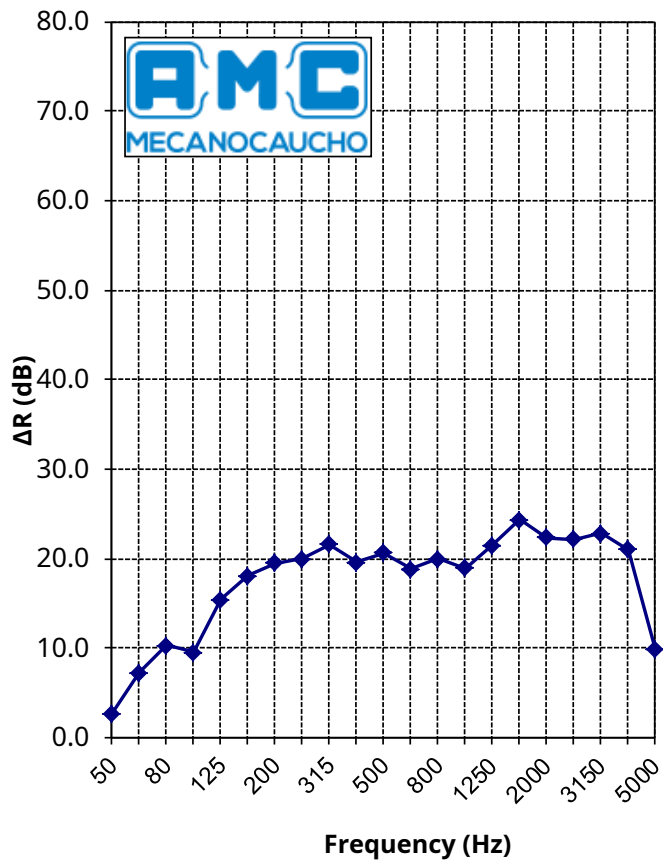
R (A) = 56.4 dBA

CAM21010001-2: AERIAL NOISE INSULATION IMPROVEMENT

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



Freq. F Hz	Rwith dB	Rsin dB	ΔR dB
fifty	18.4	15.7	2.7
63	29.0	21.8	7.2
80	33.2	22.9	10.3
100	32.5	23.0	9.5
125	46.3	30.9	15.4
160	50.2	32.1	18.1
200	56.9	37.4	19.5
250	62.8	42.8	20.0
315	63.9	42.3	21.6
400	62.2	42.6	19.6
500	65.3	44.7	20.6
630	68.0	49.2	18.8
800	70.5	50.5	20.0
1000	70.5	51.6	18.9
1250	72.5	51.0	21.5
1600	75.0	50.7	24.3
2000	72.9	50.6	22.3
2500	71.8	49.6	22.2
3150	71.2	48.4	22.8
4000	73.1	52.1	21.0
5000	70.7	60.9	9.8



Rwef (C; Ctr) sin = 48 (-2; -2) dB
 Rwref (C; Ctr) con = 67 (-7; -11) dB

Δ (Rw + C) direct = 14 dB Δ
 (Rw + Ctr) direct = 10 dB

ΔR (A) (DB-HR) = 15 dBA

Test date: March 3 and 10, 2021

ΔRw direct = 19 dB

