

Sound Insulation Prediction (v9.0.8)

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margin of error is generally within $R_w \pm 3$ dB
- Key No. 1197
Job Name:
Job No.:
Date:11-12-2024
File Name:

Initials:leonardo.ramella

Notes:



Rw 42 dB
C -3 dB
Ctr -8 dB

Mass-air-mass resonant frequency = 138 Hz
Panel Size = 2,7 m x 4,0 m
Partition surface mass = 29,1 kg/m²

System description

Panel 1 : 1 x 0,8 mm Acero + 1 x 10 mm Yeso cartón ST 10 Volcan D 750

Frame: Steel Stud (1.0-1.6mm); Cavity Width 20 mm ,Stud spacing 600 mm , 1 x Fibra de vidrio 80 kg/m3 50 mm Thickness 20 mm
Panel 2 + 1 x 10 mm Yeso cartón ST 10 Volcan D 750 + 1 x 0,8 mm Acero

Floor Cover: Thickness 0,02 mm

freq.(Hz)	TL(dB)	TL(dB)
50	21	
63	21	21
80	22	
100	22	
125	22	21
160	20	
200	25	
250	31	29
315	36	
400	40	
500	44	43
630	47	
800	50	
1000	52	52
1250	54	
1600	56	
2000	57	57
2500	58	
3150	57	
4000	49	52
5000	52	

