

Sound Insulation Prediction (v9.0.8)

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margin of error is generally within Rw +/- 3 dB
- Key No. 1197
Job Name:
Job No.:
Date:11-12-2024
File Name:01 Puerta Madera Rw+C=41(-3).ixl

Initials:leonardo.ramella

Notes:



Rw 41 dB
C -3 dB
Ctr -8 dB

Mass-air-mass resonant frequency = 114 Hz
Panel Size = 2,7 m x 4,0 m
Partition surface mass = 34,1 kg/m²

System description

Panel 1 : 1 x 15 mm Madera terciada D560 + 1 x 10 mm Yeso cartón ST 10 Volcan D 750
Frame: Timber stud; Cavity Width 25 mm ,Stud spacing 600 mm , 1 x Fibra de vidrio 80 kg/m3 50 mm Thickness 25 mm
Panel 2 + 1 x 10 mm Yeso cartón RF 10 Volcan D780 + 1 x 15 mm Madera terciada D560

Floor Cover: Thickness 0,02 mm

freq.(Hz)	TL(dB)	TL(dB)
50	22	
63	22	22
80	23	
100	22	
125	17	19
160	20	
200	26	
250	32	30
315	37	
400	41	
500	44	43
630	46	
800	48	
1000	49	49
1250	49	
1600	47	
2000	40	43
2500	45	
3150	49	
4000	53	52
5000	57	

