

# 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:09-12-2024  
File Name:05 Puerta

Initials:leonardo.ramella

Notes:



Rw 51 dB

C -3 dB

Ctr -9 dB

Mass-air-mass resonant frequency = 135 Hz  
Panel Size = 2,7 m x 4,0 m  
Partition surface mass = 30,2 kg/m²

## System description

Panel 1 : 1 x 9 mm Masisa MDF 9mm D 620 + 1 x 15 mm Masisa MDF 15mm D 620

Frame: Timber stud; Cavity Width 20 mm ,Stud spacing 800 mm , 1 x Fibra de vidrio 80 kg/m3 50 mm Thickness 20 mm

Panel 2 + 1 x 15 mm Masisa MDF 15mm D 620 + 1 x 9 mm Masisa MDF 9mm D 620

Porous facing:: Fibra de vidrio 100 kg/m3 50 mm Thickness 50 mm

Floor Cover: Thickness 0,02 mm

freq.(Hz)	TL(dB)	TL(dB)
50	28	
63	29	29
80	30	
100	31	
125	29	29
160	29	
200	34	
250	41	38
315	46	
400	51	
500	55	54
630	58	
800	61	
1000	63	63
1250	65	
1600	65	
2000	63	66
2500	70	
3150	74	
4000	79	77
5000	83	

