

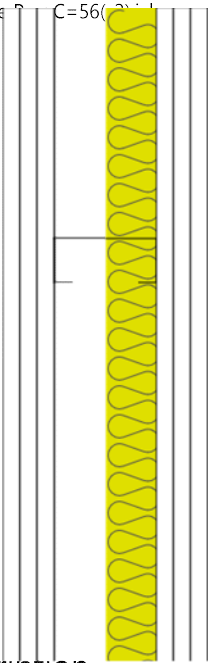
Sound Insulation Prediction (v9.0.8)

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margin of error is generally within $R_w \pm 3$ dB
- Key No. 1197
Job Name:
Job No.:
Date:18-10-2024
File Name:02 Tabique

Initials:leonardo.ramella



Notes:



R_w 56 dB
 C -2 dB
 C_{tr} -4 dB

Mass-air-mass resonant frequency = 40 Hz
Panel Size = 2,7 m x 4,0 m
Partition surface mass = 77 kg/m²

System description

Panel 1 : 3 x 15 mm Yeso Cartón RF 15 Volcán D850

Frame: Steel Stud (1.0-1.6mm); Cavity Width 90 mm ,Stud spacing 600 mm , 1 x Fibra de Vidrio (10kg/m3) Thickness 50 mm
Panel 2 + 3 x 15 mm Yeso Cartón RF 15 Volcán D850

Floor Cover: Thickness 0,02 mm

freq.(Hz)	TL(dB)	TL(dB)
50	20	
63	28	24
80	34	
100	38	
125	41	40
160	44	
200	46	
250	48	48
315	50	
400	52	54
500	54	
630	56	
800	58	
1000	59	59
1250	60	
1600	61	
2000	59	54
2500	50	
3150	56	
4000	59	58
5000	63	

