

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:14 Sobre T

Initials:leonardo.ramella



Notes:

R_w 56 dB
C -1 dB
Ctr -3 dB

Mass-air-mass resonant frequency = 38 Hz
Panel Size = 2,7 m x 4,0 m
Partition surface mass = 374 kg/m²

System description

Panel 1 : 1 x 150 mm Hormigón

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 + 2 x 15 mm Yeso Cartón ST 15 Volcán D740

Floor Cover: Thickness 0,02 mm

freq.(Hz)	TL(dB)	TL(dB)
50	36	
63	43	39
80	48	
100	51	
125	53	53
160	54	
200	45	
250	44	45
315	46	
400	49	
500	51	51
630	54	
800	56	
1000	59	58
1250	61	
1600	62	
2000	63	63
2500	67	
3150	82	
4000	86	85
5000	90	

