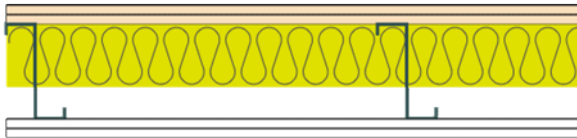


Sound Insulation Prediction (v9.0.8)

Program copyright Marshall Day Acoustics 2017
margin of error is generally within $R_w \pm 3$ dB
- Key No. 1197
Job Name:
Job No.:
Date:04-11-2024
File Name:02 Cubierta Rw 54(-1).ixl

Initials:leonardo.ramella

Notes:



Rw 54 dB

C-1 dB

Ctr-5 dB

Mass-air-mass resonant frequency = 39 Hz
Panel Size = 2,7 m x 4,0 m
Partition surface mass = 48,2 kg/m²

System description

Panel 1 : 1 x 0,6 mm Acero + 2 x 15,1 mm Madera OSB (Oriented Strand Board) D562

Frame: Z Purlin; Cavity Width 150 mm ,Stud spacing 600 mm , 1 x Fibra de Vidrio (10kg/m3) Thickness 100 mm
Panel 2 + 2 x 15 mm Yeso Cartón RF 15 Volcán D850

Floor Cover: Thickness 0,02 mm

freq.(Hz)	TL(dB)	TL(dB)
50	12	
63	19	16
80	27	
100	33	
125	37	36
160	41	
200	43	
250	46	45
315	48	
400	50	
500	52	52
630	54	
800	55	
1000	57	56
1250	57	
1600	57	
2000	58	56
2500	55	
3150	54	
4000	58	57
5000	62	

