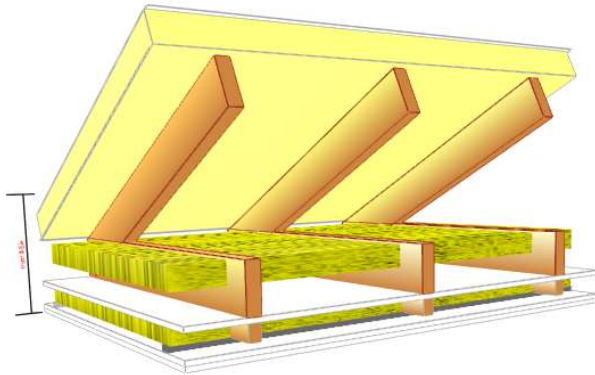


Sound Insulation Prediction (v9.0.8)

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:11-12-2024
File Name:01 C

Initials:leonardo.ramella

Notes:



Rw 56 dB

C-2 dB

Ctr-6 dB

Mass-air-mass resonant frequency = -0 Hz , 0 Hz
Panel Size = 2,7 m x 4,0 m
Partition surface mass = 55,2 kg/m²

System description

Panel 1 : 1 x 0,6 mm Acero + 1 x 0,6 mm Acero + 1 x 100 mm Panel Losa

Frame: Pitched Roof; Cavity Width 245,1 mm ,Stud spacing 600 mm , 1 x Fibra de Vidrio (10kg/m3) Thickness 75 mm
Panel 2 + 1 x 15 mm Yeso Cartón ST 15 Volcán D740

Frame: Solid Joist with resilient rail; Cavity Width 42,5 mm ,Stud spacing 600 mm , 1 x Fibra de Vidrio (10kg/m3) Thickness 50 mm
Panel 3 + 2 x 15 mm Yeso Cartón RF 15 Volcán D850

Floor Cover: Thickness 0,02 mm

freq.(Hz)	TL(dB)	TL(dB)
50	25	
63	30	28
80	34	
100	37	
125	41	40
160	44	
200	45	
250	45	44
315	44	
400	52	
500	53	53
630	55	
800	57	
1000	58	58
1250	59	
1600	59	
2000	59	58
2500	57	
3150	67	
4000	68	68
5000	70	

