

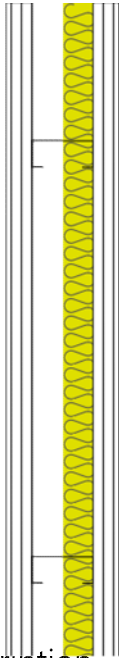
# Sound Insulation Prediction (v9.0.8)

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:18-10-2024  
File Name:

Initials:leonardo.ramella



Notes:



Rw 56 dB  
C -1 dB  
Ctr -4 dB

Mass-air-mass resonant frequency = 41 Hz  
Panel Size = 2,7 m x 4,0 m  
Partition surface mass = 73,2 kg/m²

## System description

Panel 1 : 1 x 8 mm Fibre Cement + 2 x 15 mm Yeso Cartón ST 15 Volcán D740

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 RF 15 Volcán D850 + 1 x 8 mm Fibre Cement

Floor Cover: Thickness 0,02 mm

freq.(Hz)	TL(dB)	TL(dB)
50	19	
63	27	23
80	33	
100	37	
125	41	40
160	43	
200	46	
250	48	48
315	50	
400	52	
500	54	54
630	56	
800	58	
1000	59	59
1250	61	
1600	61	
2000	61	56
2500	53	
3150	55	
4000	59	58
5000	63	

