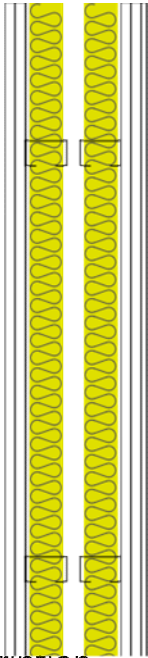


# Sound Insulation Prediction (v9.0.8)

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 71 dB  
C -3 dB  
Ctr -10 dB

Mass-air-mass resonant frequency = 35 Hz  
Panel Size = 2,7 m x 4,0 m  
Partition surface mass = 64 kg/m²

## System description

Panel 1 : 2 x 15 mm Yeso Cartón RF 15 Volcán D850

Frame: Double Steel Stud; Cavity Width 140 mm ,Stud spacing 600 mm , 2 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	23	
63	31	27
80	37	
100	43	
125	48	46
160	53	
200	57	
250	62	60
315	66	
400	71	
500	75	74
630	78	
800	81	
1000	83	83
1250	85	
1600	86	
2000	84	78
2500	73	
3150	77	
4000	83	80
5000	88	

