

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:
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Initials:leonardo.ramella



Notes:

R_w 63 dB
 C -3 dB
 C_{tr} -9 dB

Mass-air-mass resonant frequency = 42 Hz
Panel Size = 2,7 m x 4,0 m
Partition surface mass = 51,5 kg/m²

System description

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

Frame: Staggered Steel Stud; Cavity Width 121 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

Floor Cover: Thickness 0,02 mm

freq.(Hz)	TL(dB)	TL(dB)
50	16	
63	24	20
80	31	
100	37	
125	42	40
160	47	
200	51	
250	55	54
315	58	
400	62	
500	65	64
630	67	
800	69	
1000	71	71
1250	72	
1600	73	
2000	71	65
2500	61	
3150	63	
4000	67	66
5000	71	

