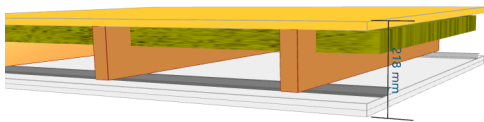


Sound Insulation Prediction (v10.0.6)

Program copyright Marshall Day Acoustics 2023 | Margin of error is generally within $R_w \pm 3$ dB

Date: 04/02/2025

Job Name:



R_w 57 dB

C -2 dB

Ctr -8 dB

System description

Panel 1 1 x 20 mm Flooring Particle Board
Frame Solid Joist with resilient rail (150 mm x 47 mm), Stud spacing 600 mm , Cavity Width 168 mm + 60 mm Fibreglass (10kg/m3) 60mm
Panel 2 2 x 15 mm Gyproc SoundBloc 15mm
Details Panel Size 2.7 m x 4.0 m, Partition surface mass = 40 kg/m², Mass-air-mass resonant frequency = : 47 Hz

freq. (Hz)	R (dB)	Roct (dB)
50	14	
63	16	16
80	25	
100	32	
125	38	36
160	42	
200	45	
250	47	47
315	50	
400	52	
500	55	54
630	57	
800	60	
1000	61	60
1250	61	
1600	60	
2000	60	61
2500	63	
3150	70	
4000	77	74
5000	84	

