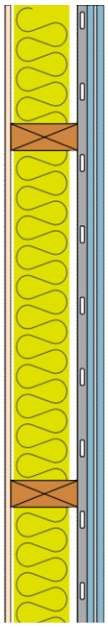
Sound Insulation Prediction (v9.0.22)

Margin of error is generally within Rw ±3 dB
- Key No. 6502
Job Name: Stud Wall Kit 100mm
Job No.: Initials:Jeremy Fisher
Date:14/08/2020
File Name:



Notes:

Rw 60 dB
C -4 dB
Ctr -11 dB

Mass-air-mass resonant frequency = =57 Hz

Panel Size = 2.7 m x 4.0 m

Partition surface mass = 48.1 kg/m²

System description

Panel 1 : 1 x 10 mm Plasterboard

Frame: Timber stud + Resilient rail/bar (1.2E2 mm x 45 mm), Stud spacing 600 mm ; Cavity Width 132 mm , 1 x Rockwool (60kg/m3) Thickness 100 mm ...
Panel 2 : 1 x 12.5 mm Siniat GTEC dB Board 12.5mm + 1 x 5 mm ass loaded vinyl
+ 1 x 12.5 mm Siniat GTEC dB Board 12.5mm

freq.(Hz)	R(dB)	R(dB)
50	19	
63	16	19
80	23	
100	30	
125	37	34
160	42	
200	47	
250	51	50
315	54	
400	57	
500	59	59
630	62	
800	64	
1000	65	65
1250	67	
1600	68	
2000	69	69
2500	69	
3150	64	
4000	66	66
5000	68