

Sound Insulation Prediction (v9.0.22)

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Margin of error is generally within $R_w \pm 3$ dB

- Key No. 6502

Job Name: Wall System 1

Job No.:

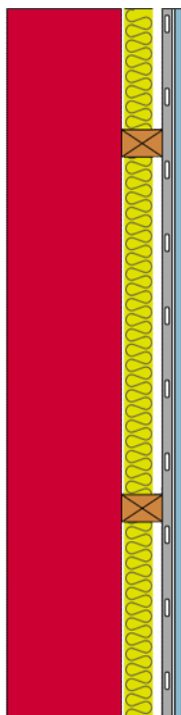
Initials: Jeremy Fisher

Date: 14/08/2020

File Name:



Notes:



R_w 63 dB

C -1 dB

Ctr -5 dB

Mass-air-mass resonant frequency = 37 Hz

Panel Size = 2.7 m x 4.0 m

Partition surface mass = 347 kg/m²

System description

Panel 1 : 1 x 200 mm Plastered Brick

Frame: Timber stud + Resilient rail/bar (72 mm x 45 mm), Stud spacing 600 mm; Cavity Width 84 mm, 1 x Rockwool (60kg/m³) Thickness 50 mm

Panel 2 : 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	36	
63	44	40
80	50	
100	54	
125	55	50
160	46	
200	49	
250	51	51
315	54	
400	56	
500	59	58
630	61	
800	64	
1000	66	66
1250	69	
1600	71	
2000	73	73
2500	75	
3150	76	
4000	78	79
5000	101	

