

Sound Insulation Prediction (v9.0.22)

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Margin of error is generally within STC ± 3 dB

- Key No.

Job Name:

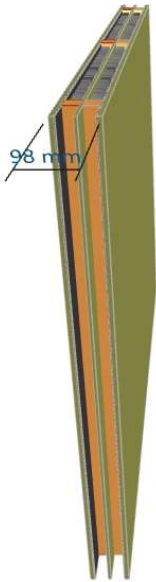
Job No.:

Date:20/01/2024

File Name:

Initials:admin

Notes:



STC 44
OITC 29

Mass-air-mass resonant frequency = 100 Hz , 243 Hz

Panel Size = 2,7 m x 4,0 m

Partition surface mass = 29,8 kg/m²

System description

Panel 1 : 1 x 9 mm DF

+ 1 x 2 mm Load Mass Resin D2000

Frame: Timber stud (35 mm x 40 mm) , Stud spacing 700 mm ; Cavity Width 35 mm , 1 x Rockwool (100kg/m³) Thickness 25 mm

Panel 2 : 1 x 6 mm DF

Frame: Timber stud (35 mm x 40 mm) , Stud spacing 700 mm ; Cavity Width 35 mm , 1 x Rockwool (100kg/m³) Thickness 25 mm

Panel 3 : 1 x 2 mm Load Mass Resin D2000

+ 1 x 9 mm DF

freq.(Hz)	TL(dB)	TL(dB)
50	18	
63	18	18
80	17	
100	16	
125	20	19
160	26	
200	31	
250	35	34
315	39	
400	44	
500	46	46
630	48	
800	50	
1000	52	52
1250	53	
1600	55	
2000	56	56
2500	56	
3150	55	
4000	50	53
5000	64	

