

Sound Insulation Prediction (v9.0.22)

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Margin of error is generally within STC ± 3 dB

- Key No.

Job Name:

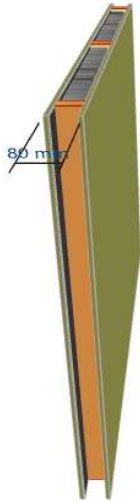
Job No.:

Date:20/01/2024

File Name:

Initials:admin

Notes:



STC 39
OITC 27

Mass-air-mass resonant frequency = -105 Hz

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

Partition surface mass = 21,6 kg/m²

System description

Panel 1 : 1 x 9 mm DF

+ 1 x 2 mm Load Mass Resin D2000

Frame: Timber stud (60 mm x 40 mm), Stud spacing 700 mm ; Cavity Width 60 mm, 1 x Rockwool (100kg/m³) Thickness 50 mm

Panel 2 : 1 x 9 mm DF

freq.(Hz)	TL(dB)	TL(dB)
50	16	
63	16	16
80	16	
100	15	
125	15	16
160	20	
200	26	
250	32	30
315	36	
400	39	
500	42	42
630	45	
800	47	
1000	49	49
1250	51	
1600	52	
2000	53	53
2500	53	
3150	53	
4000	56	55
5000	58	

