

Sound Insulation Prediction (v9.0.5)

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סאונדסקיפ - Key No. 0272

Job Name: STB Wall

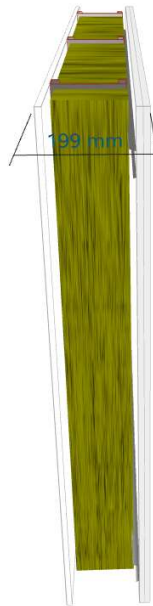
Job No.: STB MGO

Initials: USER

Date: 13/09/2017

File Name: מחיצת מייטק פלוס אומגה לחיפוי לוח 12 מ"מ

Notes: מחיצת מייטק 150 מ"מ
אומגה על ניצבים
לוח חיפוי אס.טי.בי 12 מ"מ



Rw 60 dB
C -3 dB
Ctr -10 dB

Mass-air-mass resonant frequency = 47 Hz

Panel Size = 2.7 m x 4.0 m

Partition surface mass = 30.8 kg/m²

System description

Panel 1 : 1 x 12.0 mm Mag Board (magnesium oxide)

Frame: Steel Stud + resil. rail; Cavity Width 162 mm , Stud spacing 600 mm , 1 x Fibreglass (22kg/m³) Thickness 150 mm (ρ:10 kg/m³, Rf:10000 Rayl/m)

Panel 2 + 2 x 12.5 mm Gyproc Wallboard 12.5mm

freq.(Hz)	TL(dB)	TL(dB)
50	12	
63	17	15
80	25	
100	32	
125	38	35
160	43	
200	48	
250	52	51
315	56	
400	59	
500	62	61
630	64	
800	66	
1000	68	68
1250	69	
1600	70	
2000	68	68
2500	67	
3150	62	
4000	60	62
5000	64	

