

Sound Insulation Prediction (v9.0.5)

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סאונדסקייפ - Key No. 0272

Job Name: STB Wall

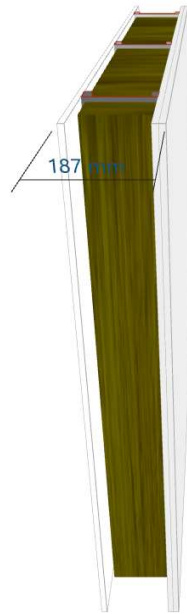
Job No.: STB MGO

Date.: 13/09/2017

File Name:

Initials: USER

Notes: מחיצת מייטק 150 סמ
לוח חיצוני אס.טי.בי 12 סמ



Rw 49 dB
C -2 dB
Ctr -6 dB

Mass-air-mass resonant frequency = 49 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 (1.0-1.6mm); Cavity Width 150 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 | 16 | 15 |
| 80 | 23 | |
| 100 | 28 | |
| 125 | 32 | 31 |
| 160 | 35 | |
| 200 | 38 | |
| 250 | 40 | 40 |
| 315 | 42 | |
| 400 | 44 | |
| 500 | 46 | 46 |
| 630 | 48 | |
| 800 | 50 | |
| 1000 | 51 | 51 |
| 1250 | 52 | |
| 1600 | 53 | |
| 2000 | 52 | 52 |
| 2500 | 52 | |
| 3150 | 51 | |
| 4000 | 49 | 50 |
| 5000 | 53 | |

