

# Sound Insulation Prediction (v9.0.5)

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סאונדסקיפ - Key No. 0272

Job Name: STB Floors

Job No.: STB MGO

Date.: 13/09/2017

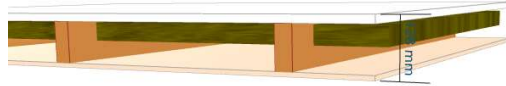
File Name: על קורות עץ 18 על קורות עץ

Initials: USER

Notes: רצפת 18 מ"מ לוח תוצרת:

STB

קורות עץ



$L_{n,w}$  83 dB

Mass-air-mass resonant frequency = 83 Hz

Panel Size = 2.7 m x 4.0 m

Partition surface mass = 27.5 kg/m<sup>2</sup>

## System description

Panel 1 : 1 x 18.0 mm Mag Board (magnesium oxide)

Frame: Timber stud; Cavity Width 100 mm, Stud spacing 600 mm, 1 x Fibreglass (22kg/m<sup>3</sup>) Thickness 50 mm ( $\rho$ : 10 kg/m<sup>3</sup>, Rf: 10000 Rayl/m)

Panel 2 : 1 x 10.0 mm mm Plasterboard

freq.(Hz)	TL(dB)	TL(dB)
50	80	
63	83	82
80	85	
100	88	
125	88	84
160	80	
200	74	
250	76	76
315	81	
400	80	
500	76	79
630	81	
800	81	
1000	75	77
1250	76	
1600	78	
2000	76	76
2500	74	
3150	73	
4000	74	72
5000	69	

