

# Sound Insulation Prediction (v9.0.5)

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סאונדסקייפ - Key No. 0272

Job Name: STB Floors

Job No.: STB MGO

Date.: 13/09/2017

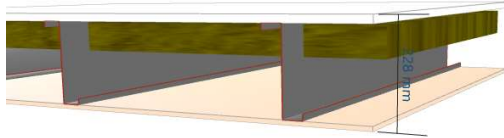
File Name:

Initials: USER

Notes: רצפת 18 מ"מ לוח תוצרת:

STB

קורות פלדה 200 מ"מ



$L_{n,w}$  79 dB

Mass-air-mass resonant frequency = 59 Hz

Panel Size = 2.7 m x 4.0 m

Partition surface mass = 27.7 kg/m<sup>2</sup>

## System description

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

Frame: Z Purlin; Cavity Width 200 mm, Stud spacing 600 mm, 1 x Fibreglass (22kg/m<sup>3</sup>) Thickness 75 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	82	
63	81	79
80	76	
100	79	
125	82	78
160	75	
200	70	
250	72	72
315	78	
400	77	
500	73	76
630	78	
800	78	
1000	72	74
1250	73	
1600	75	
2000	73	73
2500	71	
3150	70	
4000	71	69
5000	66	

