

Sound Insulation Prediction (v8.0.12)

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PechoM

Margin of error is generally within $R_w \pm 3$ dB

Date: 27 Eki 17

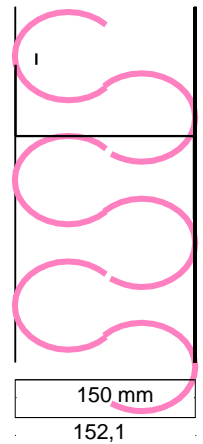
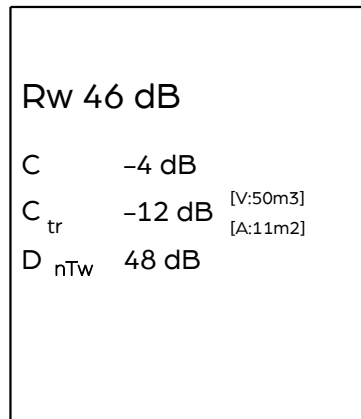
File Name:insul

System description:

Panel 1 : 1 x 0,6 mm Steel (ρ :7800 kg/m³, E :2,1E02GPa, η :0,01, ρ_s :7,8 kg/m², f_c :1,25E4 Hz)

Cavity: Z Girt: Stud spacing 600 mm , Infill PM 2061 (85kg/m³) Thickness 150 mm (ρ :70 kg/m³, R_f :25000 Pa.s/m²)

Panel 2 + 1 x 1,5 mm Steel (ρ :7800 kg/m³, E :2,1E02GPa, η :0,01, ρ_s :11,7 kg/m², f_c :8333 Hz)



frequency (Hz)	R(dB)	R(dB)
50	14	
63	14	13
80	12	
100	16	
125	22	19
160	28	
200	33	
250	38	36
315	42	
400	46	
500	50	49
630	52	
800	55	
1000	58	57
1250	60	
1600	62	
2000	64	63
2500	66	
3150	67	
4000	69	69
5000	70	

