

Sound Insulation Prediction (v9.0.11)

Program copyright Marshall Day Acoustics 2017
margin of error is generally within $R_w \pm 3$ dB
MasAcoustics & Co. - Key No. 2016



Job Name:

Job No.:

Initials:

Date.:01/04/20

File Name:

Notes:



R_w 48 dB
C -1 dB
Ctr -5 dB

Mass-air-mass resonant frequency = 128 Hz

Panel Size = 2,7 m x 4,0 m

Partition surface mass = 131 kg/m²

System description

Panel 1 : 1 x 70 mm Mattone

Frame: Timber stud (10 mm x45 mm); Cavity Width 10 mm ,Stud spacing 600 mm , 1 x Lane di roccia (60kg/m³) Thickness 10 mm

Panel 2 + 1 x 5,3 mm Flat Barrier 10A

+ 1 x 12,5 mm Cartongesso

freq.(Hz)	TL(dB)	TL(dB)
50	33	
63	34	34
80	34	
100	34	
125	30	32
160	31	
200	37	
250	42	40
315	44	
400	40	
500	42	42
630	45	
800	47	
1000	50	49
1250	52	
1600	55	
2000	57	57
2500	59	
3150	61	
4000	61	63
5000	76	

