

Sound Insulation Prediction (v9.0.11)

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

MasAcoustics & Co. - Key No. 2016

Job Name:

Job No.:

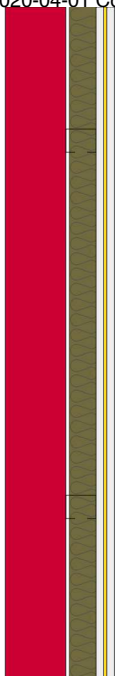
Initials:

Date: 01/04/20

File Name: 2020-04-01 Controparete 10 cm muratura + flat barrier.ixl



Notes:



R_w 57 dB
 C 0 dB
 Ctr -2 dB

Mass-air-mass resonant frequency = 47 Hz

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

Partition surface mass = 190 kg/m²

System description

Panel 1 : 1 x 100 mm Mattone

Frame: Steel Stud (0.55mm) (50 mm x 38 mm); Cavity Width 50 mm, Stud spacing 600 mm, 1 x Lane di roccia (60kg/m³) Thickness 50 mm

Panel 2 + 1 x 12,5 mm Cartongesso

+ 1 x 5,3 mm Flat Barrier 10A

+ 1 x 12,5 mm Cartongesso

freq.(Hz)	TL(dB)	TL(dB)
50	24	
63	30	28
80	38	
100	45	
125	51	49
160	55	
200	58	
250	56	50
315	46	
400	49	
500	51	51
630	54	
800	57	
1000	59	59
1250	62	
1600	64	
2000	66	66
2500	68	
3150	69	
4000	69	71
5000	86	

