

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.:

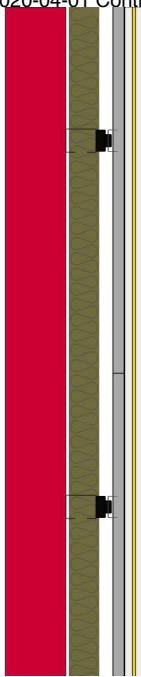
Initials:

Date: 01/04/20

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



Notes:



R_w 63 dB
C -1 dB
Ctr -3 dB

Mass-air-mass resonant frequency = 34 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: Rubber isolation clip on Steel Stud (50 mm x 38 mm); Cavity Width 97,5 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	34	
63	42	38
80	48	
100	53	
125	57	56
160	61	
200	63	
250	61	56
315	52	
400	54	
500	57	56
630	59	
800	62	
1000	65	64
1250	67	
1600	69	
2000	72	71
2500	73	
3150	74	
4000	75	76
5000	96	

