

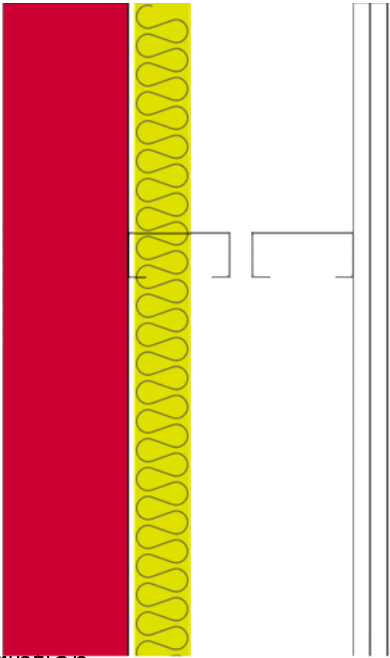
Sound Insulation Prediction (v9.0.8)

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margin of error is generally within $R_w \pm 3$ dB
- Key No. 1197
Job Name:
Job No.:
Date:18-10-2024
File Name:

Initials:leonardo.ramella



Notes:



R_w 77 dB
C -1 dB
Ctr -6 dB

Mass-air-mass resonant frequency = 26 Hz
Panel Size = 2,7 m x 4,0 m
Partition surface mass = 199 kg/m²

System description

Panel 1 : 1 x 110 mm Ladrillo Princesa 1600

Frame: Double Steel Stud; Cavity Width 198 mm ,Stud spacing 600 mm , 1 x Fibra de Vidrio (10kg/m3) Thickness 50 mm
Panel 2 + 2 x 15 mm Yeso Cartón ST 15 Volcán D740

Floor Cover: Thickness 0,02 mm

freq.(Hz)	TL(dB)	TL(dB)
50	41	
63	47	44
80	52	
100	57	
125	60	59
160	64	
200	65	
250	65	65
315	66	
400	70	
500	75	73
630	79	
800	83	
1000	86	85
1250	90	
1600	92	
2000	91	91
2500	89	
3150	94	
4000	99	98
5000	104	

