

# 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:  
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File Name:20 Tabique 7 - C 59(-2).ixl

Initials:leonardo.ramella



Notes:

$R_w$  59 dB  
 $C$  -2 dB  
 $C_{tr}$  -6 dB

Mass-air-mass resonant frequency = 40 Hz  
Panel Size = 2,7 m x 4,0 m  
Partition surface mass = 49,6 kg/m<sup>2</sup>

## System description

Panel 1 : 2 x 15 mm Yeso Cartón RF 15 Volcán D850

Frame: Staggered Stud; Cavity Width 140 mm ,Stud spacing 600 mm , 1 x Fibra de Vidrio (10kg/m3) Thickness 50 mm  
Panel 2 + 1 x 15 mm Yeso Cartón ST 15 Volcán D740 + 1 x 8 mm Fibre Cement

Floor Cover: Thickness 0,02 mm

freq.(Hz)	TL(dB)	TL(dB)
50	17	
63	25	21
80	31	
100	36	
125	41	39
160	44	
200	47	
250	50	50
315	53	
400	55	
500	57	57
630	59	
800	61	
1000	62	62
1250	63	
1600	64	
2000	63	61
2500	58	
3150	59	
4000	62	61
5000	66	

