

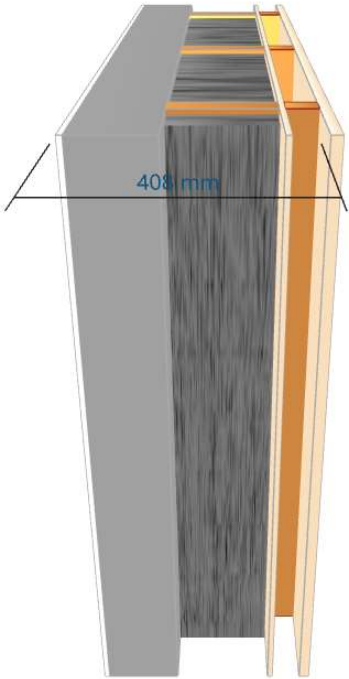
Sound Insulation Prediction (v9.0.22)

Program copyright Marshall Day Acoustics 2017  
Margin of error is generally within  $R_w \pm 3$  dB  
- Key No. 5739

Job Name:  
Job No.: Initials:ayça  
Date:07/05/2024  
File Name:Insul yttervegg concrete1-wplaster.ixl



Notes:



Rw 66 dB

C<sub>50-3150</sub> -2 dB

C<sub>tr 50-3150</sub> -10 dB

Mass-air-mass resonant frequency = 40 Hz , 201 Hz

Panel Size = 2.7 m x 4.0 m

Partition surface mass = 385 kg/m<sup>2</sup>

System description

Panel 1 : 1 x 10 mm plaster-barron + 1 x 150 mm Concrete panel (reinforced)

Frame: Timber stud (2E2 mm x 48 mm ) , Stud spacing 600 mm ; Cavity Width 158 mm , 1 x Rockwool (48kg/m3) Thickness 198 mm  
Panel 2 : 1 x 10 mm SoftBoard

Frame: Timber stud (60 mm x 48 mm ) , Stud spacing 600 mm ; Cavity Width 60 mm  
Panel 3 : 1 x 20 mm Pine

freq.(Hz)	R(dB)	R(dB)
50	35	
63	41	39
80	44	
100	48	
125	52	51
160	54	
200	55	
250	56	57
315	59	
400	61	
500	63	63
630	64	
800	64	
1000	64	66
1250	71	
1600	72	
2000	73	73
2500	75	
3150	75	
4000	76	76
5000	77	

