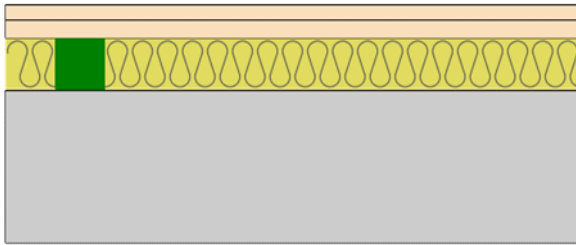


Sound Insulation Prediction (v9.0.8)

Program copyright Marshall Day Acoustics 2017
margin of error is generally within $R_w \pm 3$ dB
- Key No. 1197
Job Name:
Job No.:
Date:11-12-2024
File Name:

Initials:leonardo.ramella

Notes:



Rw 62 dB
C -1 dB
Ctr -4 dB

Mass-air-mass resonant frequency = 54 Hz
Panel Size = 2,7 m x 4,0 m
Partition surface mass = 373 kg/m²

System description

Panel 1 : 1 x 15 mm Madera terciada D560 + 1 x 18 mm Madera terciada D560

Frame: Kinetics RIM Mount; Cavity Width 51 mm ,Stud spacing 600 mm , 1 x Fibra de vidrio 80 kg/m3 50 mm Thickness 50 mm
Panel 2 + 1 x 150 mm Hormigón

Floor Cover: None Thickness 0,02 mm

| freq.(Hz) | TL(dB) | TL(dB) |
|-----------|--------|--------|
| 50 | 34 | |
| 63 | 34 | 35 |
| 80 | 42 | |
| 100 | 49 | |
| 125 | 54 | 52 |
| 160 | 57 | |
| 200 | 51 | |
| 250 | 50 | 51 |
| 315 | 53 | |
| 400 | 55 | |
| 500 | 58 | 57 |
| 630 | 60 | |
| 800 | 62 | |
| 1000 | 64 | 63 |
| 1250 | 63 | |
| 1600 | 83 | |
| 2000 | 87 | 86 |
| 2500 | 91 | |
| 3150 | 94 | |
| 4000 | 98 | 97 |
| 5000 | 102 | |

