P + T

Sound Insulation Prediction (v9.0.17)

INSUL

Program copyright Marshall Day Acoustics 2017
margin of error is generally within Rw +/- 3 dB
- Key No. 1417
Job Name:
Job No.: Initials:Sergi
Date.:14/2/2019
File Name:Divisoria Nota08A.ixl

Notes:

Rw 64 dB
C -4 dB
Ctr -13 dB

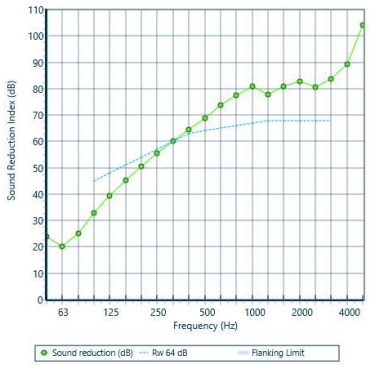
Mass-air-mass resonant frequency = =60 Hz
Panel Size = 2.7 m x 4.0 m
Partition surface mass = 75,6 kg/m²

System description

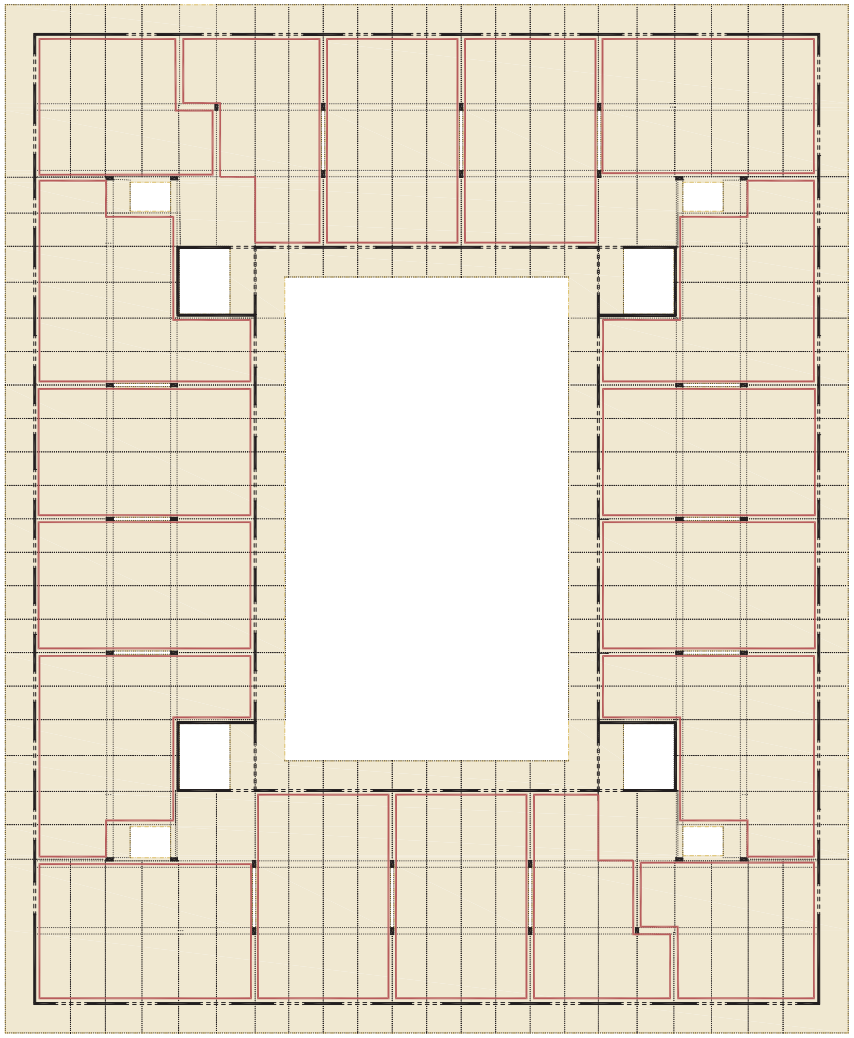
Panel 1 : 2 x 12,5 mm Normal 12.5

Frame: Montante Acero Galvanizado Izq + Cavidad (47 mm x 45 mm), Stud spacing :600 mm ; Cavity Width 50 mm ; 1 x Fibra de Vidrio (22kg/m3) Th...
Panel 2 : 1 x 80 mm Cross Laminated Timber 80mm 3s (Stora Enso) + 2 x 12,5 mm Normal 12.5

freq.(Hz)	R(dB)	R(dB)
50	24	
63	20	22
80	25	
100	33	
125	39	37
160	45	
200	51	
250	55	54
315	60	
400	64	
500	69	67
630	74	
800	77	
1000	81	78
1250	78	
1600	81	
2000	83	81
2500	80	
3150	84	
4000	89	87
5000	104	



vertical partition



plasterboard partitions

spring mass system