

AIRBORNE SOUND INSULATION WALL PARTITION

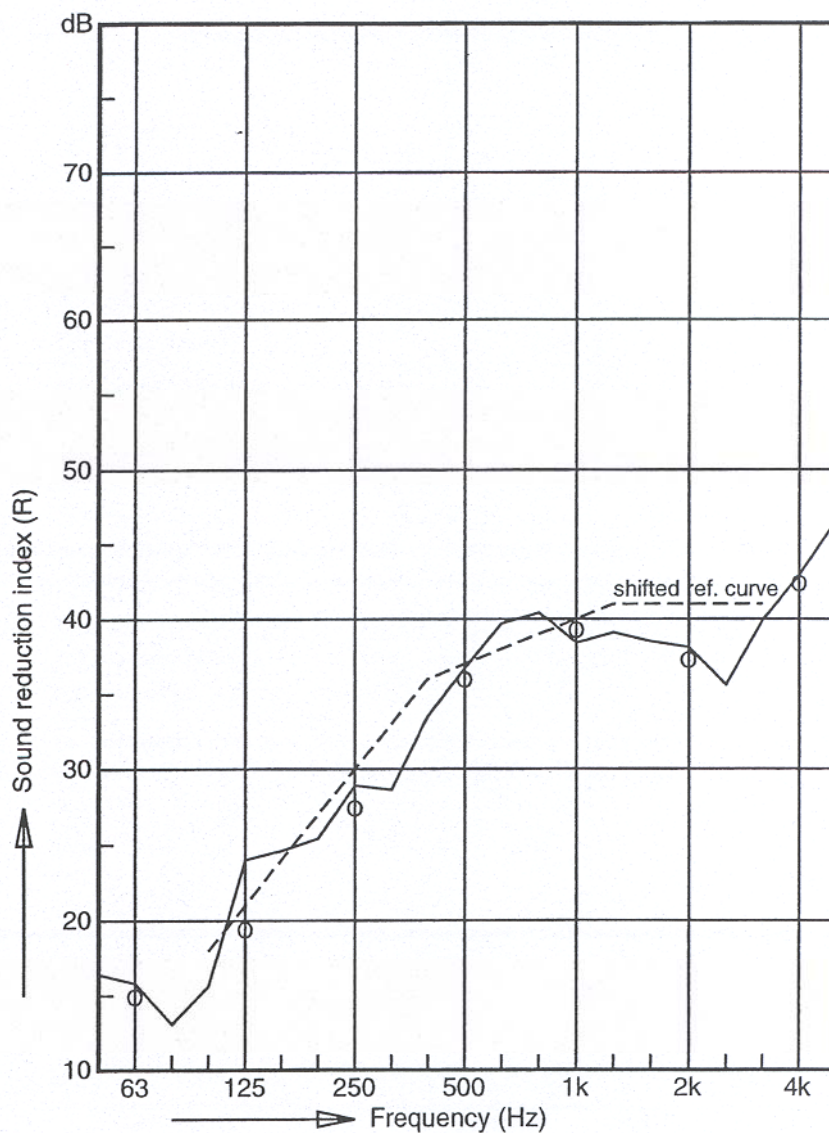
Laboratory measurements according to EN-ISO 140-3

Client : Parthos B.V. Product : Palace 110S
 Projectnumber : 008.50024/01.01 Test room : Transmission rooms 1-2
 Mounted by : Parthos B.V. Testdate : 1999-04-14
 Description specimen : 16 mm particle board suspended on a steel frame
 alum. nose and counter profile
 alum. pressure seals with plastic profiles

Mass : 31 kg/m²
 Surface area : 10 m²

Source room volume : 109 m³
 Receiving room volume : 99 m³

Frequency (Hz)	R 1/3 oct (dB)	R 1/1 oct (dB)
50	16,4	
63	15,8	14,9
80	13,1	
100	15,6	
125	24,0	19,3
160	24,6	
200	25,4	
250	28,9	27,3
315	28,6	
400	33,5	
500	36,7	35,9
630	39,7	
800	40,4	
1000	38,4	39,2
1250	39,1	
1600	38,5	
2000	38,1	37,2
2500	35,6	
3150	39,9	
4000	42,9	42,3
5000	46,5	



Rating according to EN-ISO 717-1

$R_w (C; C_{tr}) = 37 (-2; -5) \text{ dB}$

$C_{50-3150} = -2 \text{ dB}$

$C_{50-5000} = -1 \text{ dB}$

$C_{100-5000} = -1 \text{ dB}$

$C_{tr, 50-3150} = -8 \text{ dB}$

$C_{tr, 50-5000} = -8 \text{ dB}$

$C_{tr, 100-5000} = -5 \text{ dB}$