

AIRBORNE SOUND INSULATION WALL PARTITION

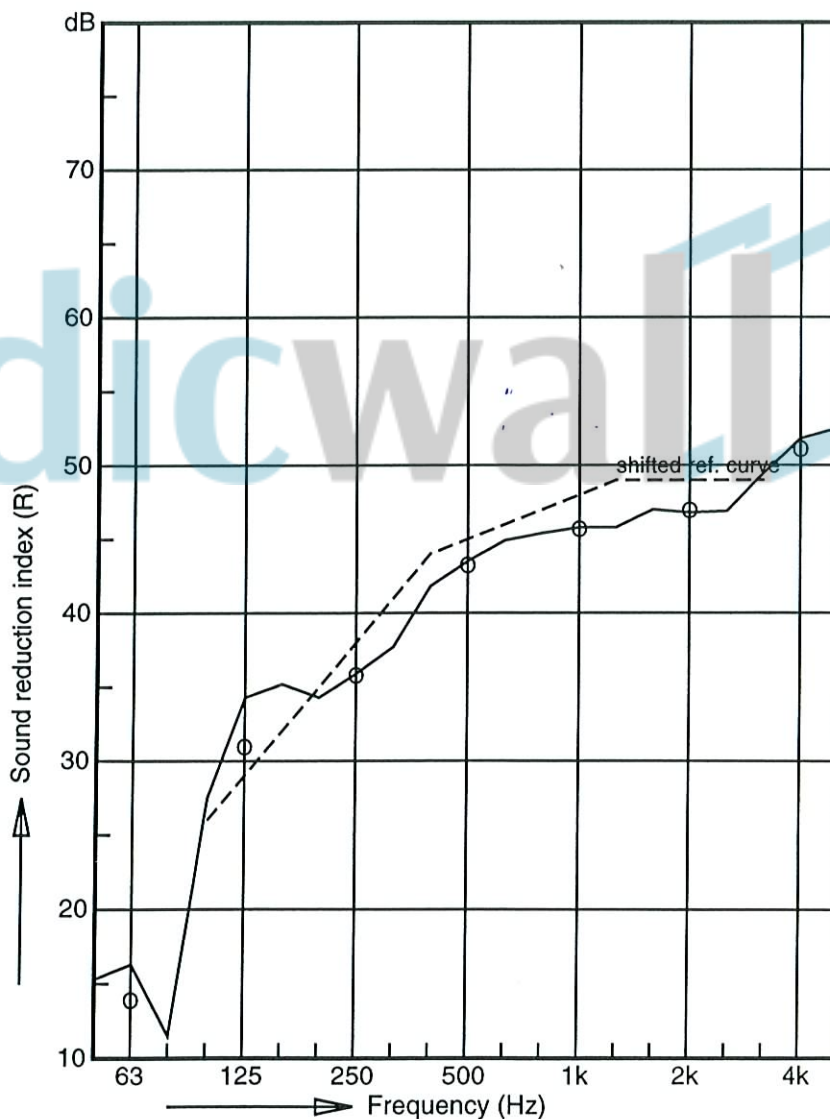
Laboratory measurements according to EN-ISO 140-3

Client : Parthos B.V. Product : Palace 110S
 Projectnumber : 008.50024/01.01 Test room : Transmission rooms 1-2
 Mounted by : Parthos B.V. Testdate : 1999-04-19
 Description specimen : 16 mm cladded particle board on a steel frame
 alum. nose and counter profile, magnetic profile
 alum. pressure seals with plastic profiles
 filled with mineral wool.

Mass : 49,5 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	15,3	
63	16,3	13,8
80	11,5	
100	27,5	
125	34,3	30,9
160	35,2	
200	34,3	
250	35,9	35,7
315	37,7	
400	41,8	
500	43,5	43,2
630	44,9	
800	45,4	
1000	45,8	45,7
1250	45,8	
1600	47,0	
2000	46,8	46,9
2500	46,9	
3150	49,5	
4000	51,8	51,1
5000	52,5	



Rating according to EN-ISO 717-1

$R_w (C; C_{tr}) = 45 (-1; -4) \text{ dB}$

$C_{50-3150} = -4 \text{ dB}$ $C_{50-5000} = -3 \text{ dB}$ $C_{100-5000} = 0 \text{ dB}$
 $C_{tr,50-3150} = -14 \text{ dB}$ $C_{tr,50-5000} = -14 \text{ dB}$ $C_{tr,100-5000} = -4 \text{ dB}$