

AIRBORNE SOUND INSULATION WALL PARTITION

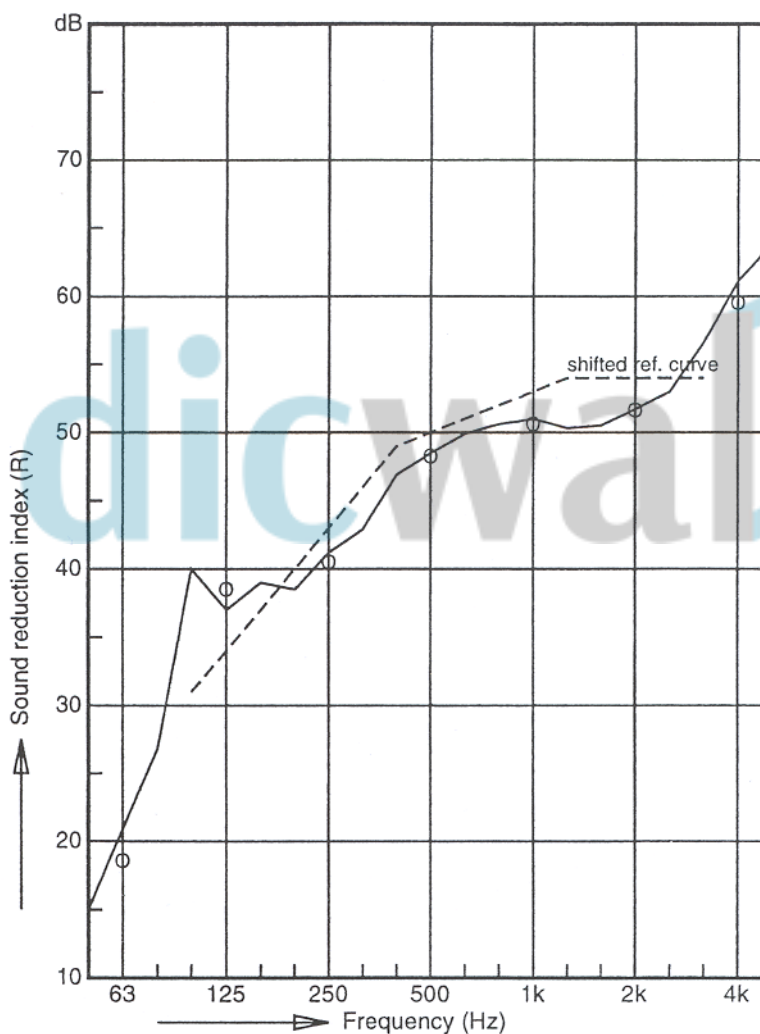
Laboratory measurements in accordance with EN-ISO 140-3

Client	: Parthos b.v.	Product	: Palace 110-S
Projectnumber	: 008.01487/01.02	Test room	: Transmission rooms 1-2
Mounted by	: Parthos b.v.	Testdate	: 2000-11-27
Description specimen	: 16 mm particle board with sound dampening mats suspended on a steel frame Aluminium nose and counter profile with magnetic strips Aluminium pressure seals with plastic profiles and sound dampening mats		

Mass : 51,0 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	15,0	
63	20,9	18,6
80	26,8	
100	40,0	
125	37,0	38,5
160	39,0	
200	38,5	
250	41,2	40,5
315	42,9	
400	46,9	
500	48,5	48,3
630	49,9	
800	50,6	
1000	51,0	50,6
1250	50,3	
1600	50,5	
2000	51,7	51,6
2500	53,0	
3150	56,6	
4000	61,1	59,5
5000	63,8	



Rating in accordance with EN-ISO 717-1

$R_w (C; C_{tr}) = 50 (-1; -3) \text{ dB}$

$C_{50-3150} = -3 \text{ dB}$

$C_{50-5000} = -2 \text{ dB}$

$C_{100-5000} = 0 \text{ dB}$

$C_{tr,50-3150} = -13 \text{ dB}$

$C_{tr,50-5000} = -13 \text{ dB}$

$C_{tr,100-5000} = -3 \text{ dB}$