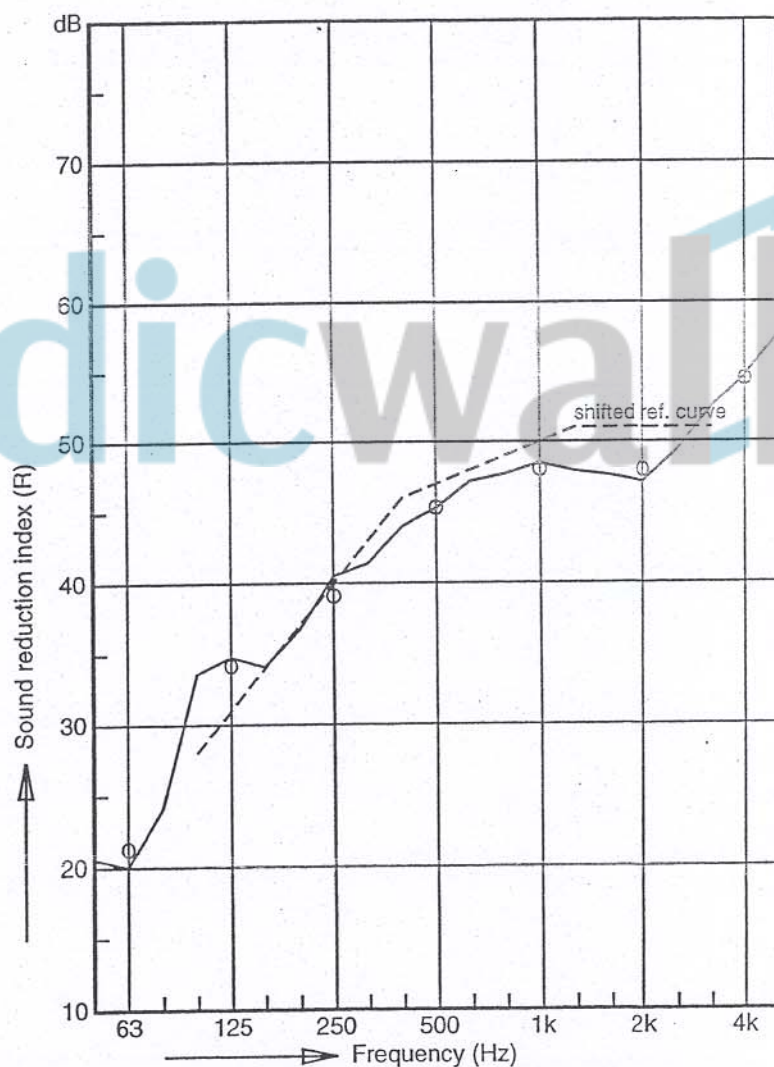


AIRBORNE SOUND INSULATION WALL PARTITION

Laboratory measurements according to EN-ISO 140-3

Client	: Parthos B.V.	Product	: Palace 110-S
Projectnumber	: 008.01487/01.01	Test room	: Transmission rooms 1-2
Mounted by	: Parthos B.V.	Testdate	: 2000-01-24
Description specimen	: 16 mm particle board clad with sound dampening mats suspended on a steel frame. alum. nose and counter profile, alum pressure seals with plastic profiles.		
Mass	: 50,1 kg/m ²	Source room volume	: 109 m ³
Surface area	: 10 m ²	Receiving room volume	: 99 m ³

Frequency (Hz)	R 1/3 oct (dB)	R 1/1 oct (dB)
50	20,6	
63	20,0	21,2
80	24,1	
100	33,6	
125	34,8	34,1
160	34,1	
200	36,7	
250	40,5	39,0
315	41,4	
400	44,0	
500	45,3	45,3
630	47,2	
800	47,7	
1000	48,5	48,0
1250	47,9	
1600	47,6	
2000	47,1	47,9
2500	49,4	
3150	52,5	
4000	54,7	54,5
5000	57,7	



Rating according to EN-ISO 717-1

$$R_w (C; C_{tr}) = 47 (-1; -3) \text{ dB}$$

$$\begin{array}{lll} C_{50-3150} = -2 \text{ dB} & C_{50-5000} = -1 \text{ dB} & C_{100-5000} = 0 \text{ dB} \\ C_{tr, 50-3150} = -9 \text{ dB} & C_{tr, 50-5000} = -9 \text{ dB} & C_{tr, 100-5000} = -3 \text{ dB} \end{array}$$