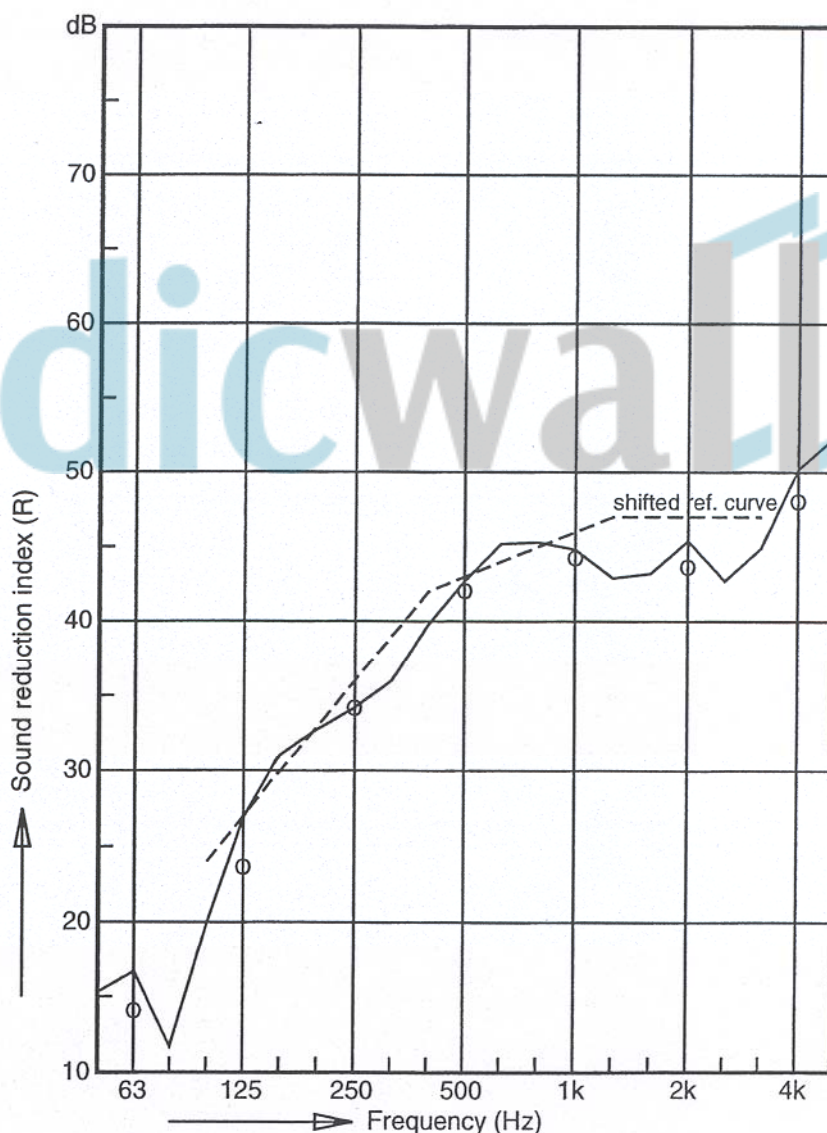


AIRBORNE SOUND INSULATION WALL PARTITION

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	: 1999-04-16
Description specimen	: 16 mm particle board suspended on a steel frame alum. nose and counter profile, magnetic profile alum. pressure seals with plastic profiles filled with mineral wool.		
Mass	: 33,5 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	15,3	
63	16,7	14,0
80	11,7	
100	19,9	
125	26,9	23,6
160	31,1	
200	32,8	
250	34,2	34,1
315	36,0	
400	39,8	
500	42,7	42,0
630	45,2	
800	45,3	
1000	44,8	44,2
1250	42,9	
1600	43,2	
2000	45,4	43,6
2500	42,7	
3150	44,9	
4000	50,2	48,0
5000	52,4	



Rating according to EN-ISO 717-1

$R_w (C; C_{tr}) = 43 (-2; -6) \text{ dB}$

$C_{50-3150} = -4 \text{ dB}$	$C_{50-5000} = -3 \text{ dB}$	$C_{100-5000} = -1 \text{ dB}$
$C_{tr,50-3150} = -13 \text{ dB}$	$C_{tr,50-5000} = -13 \text{ dB}$	$C_{tr,100-5000} = -6 \text{ dB}$