

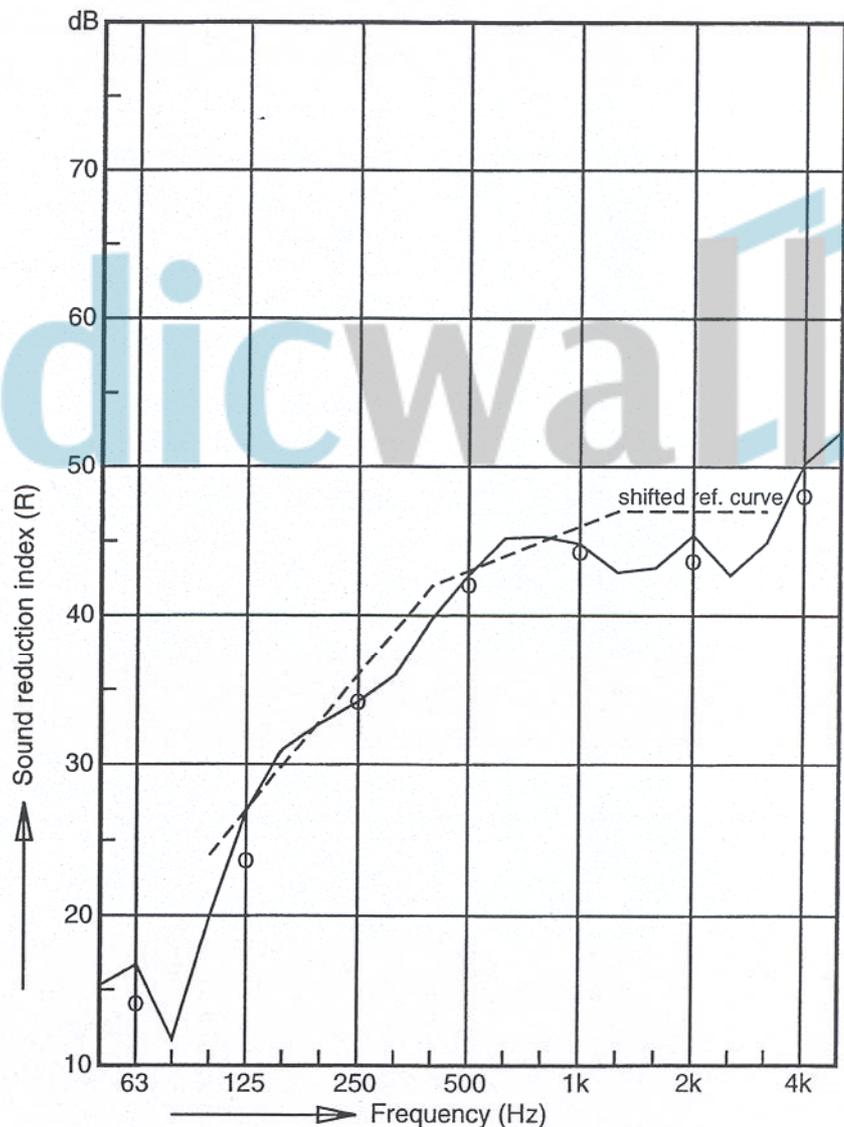
## AIRBORNE SOUND INSULATION WALL PARTITION

### 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<sup>2</sup> Source room volume : 109 m<sup>3</sup>  
 Surface area : 10 m<sup>2</sup> Receiving room volume : 99 m<sup>3</sup>

| 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

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

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