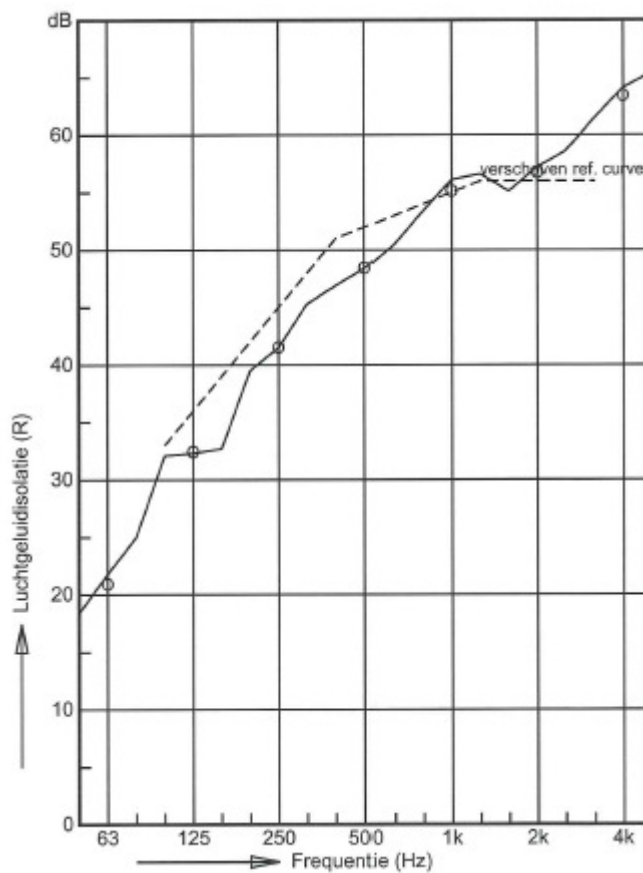


**AIRBORNE SOUND INSULATION OF WALL PARTITION**  
**Laboratory measurements in accordance with NEN-EN-ISO 10140-1 Annex A**

Client : Espero B.V. Product : Sonico 110-52  
 Project number : 054.01117/01.23 Test room : TNO transmission rooms 1-2  
 Installed by : Espero B.V. Test date : 2011-03-23  
 Description of specimen : Sonico 110-52 mobile wall, 115 mm thick,  
 18 mm chipboard, with 8 kg/m<sup>2</sup> vibration damping, cavity filled with glass wool,  
 absorption material applied to locking strips, additional rubber joints at bottom.

Mass : 45 kg/m<sup>2</sup> Source room volume : 109 m<sup>3</sup>  
 Surface area : 10 m<sup>2</sup> Receiving room volume : 107 m<sup>3</sup>

Frequency (Hz)	R 1/3 oct (dB)	R 1/1 oct (dB)
50	18.4	
63	21.8	20.9
80	25.0	
100	32.1	
125	32.3	32.4
160	32.7	
200	39.5	
250	41.5	41.5
315	45.3	
400	46.9	
500	48.4	48.4
630	50.5	
800	53.4	
1000	56.1	55.1
1250	56.6	
1600	55.1	
2000	57.2	56.7
2500	58.6	
3150	61.5	63.4
4000	64.1	
5000	65.4	



<b>Rated in accordance with NEN-EN-ISO 717-1</b>					
$R_w (C;C_{tr}) = 52 (-2;-7) \text{ dB}$	$C_{50-3150} = -4 \text{ dB}$	$C_{50-5000} = -3 \text{ dB}$	$C_{100-5000} = -1 \text{ dB}$	$C_{tr,50-3150} = -13 \text{ dB}$	$C_{tr,50-5000} = -13 \text{ dB}$
				$C_{tr,100-5000} = -7 \text{ dB}$	