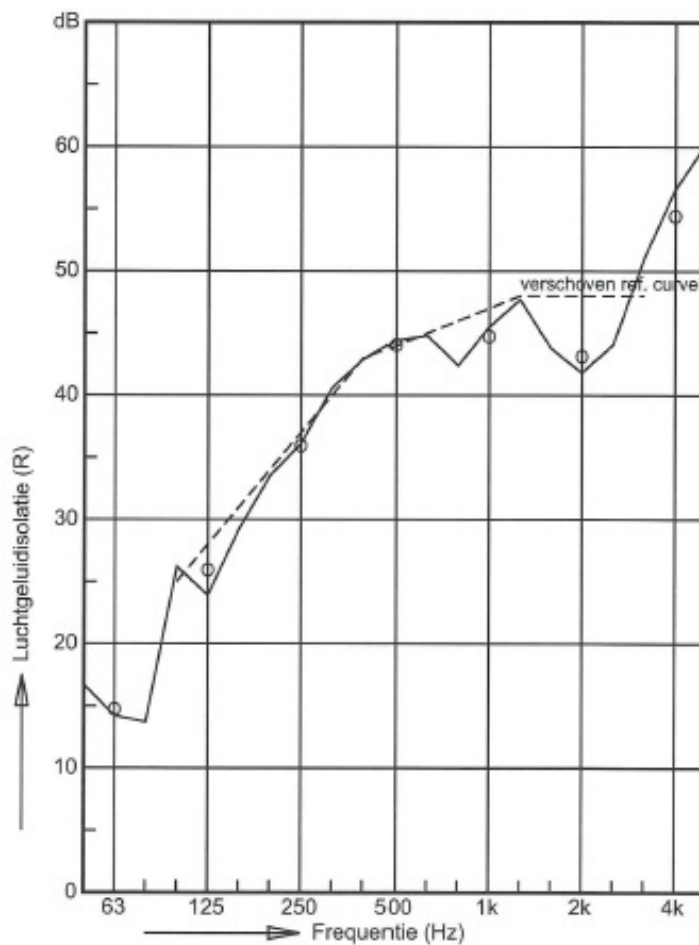


AIRBORNE SOUND INSULATION OF WALL PARTITION
Laboratory measurements in accordance with NEN-EN-ISO 10140-1 Annex A

Client : Espero B.V. Product : Sonico 110-44
 Project number : 054.01117/01.23 Test room : TNO transmission rooms 1-2
 Installed by : Espero B.V. Test date : 2011-05-23
 Description of specimen : Sonico 110-44 mobile wall, 115 mm thick,
 18 mm chipboard, cavity filled with glass wool,
 absorption material applied to locking strips.

Mass : 29 kg/m² Source room volume : 109 m³
 Surface area : 10 m² Receiving room volume : 107 m³

Frequency (Hz)	R 1/3 oct (dB)	R 1/1 oct (dB)
50	16.7	
63	14.2	14.7
80	13.7	
100	26.2	
125	23.9	25.9
160	29.2	
200	33.5	
250	36.1	35.9
315	40.6	
400	42.9	
500	44.4	44.0
630	44.8	
800	42.4	
1000	45.5	44.7
1250	47.7	
1600	43.8	
2000	41.8	43.1
2500	44.1	
3150	51.1	
4000	56.6	54.4
5000	60.3	



Rated in accordance with NEN-EN-ISO 717-1			
$R_w (C;C_{tr}) = 44 (-2;-5) \text{ dB}$	$C_{50-3150} = -4 \text{ dB}$	$C_{50-5000} = -3 \text{ dB}$	$C_{100-5000} = -1 \text{ dB}$
	$C_{tr,50-3150} = -13 \text{ dB}$	$C_{tr,50-5000} = -13 \text{ dB}$	$C_{tr,100-5000} = -5 \text{ dB}$