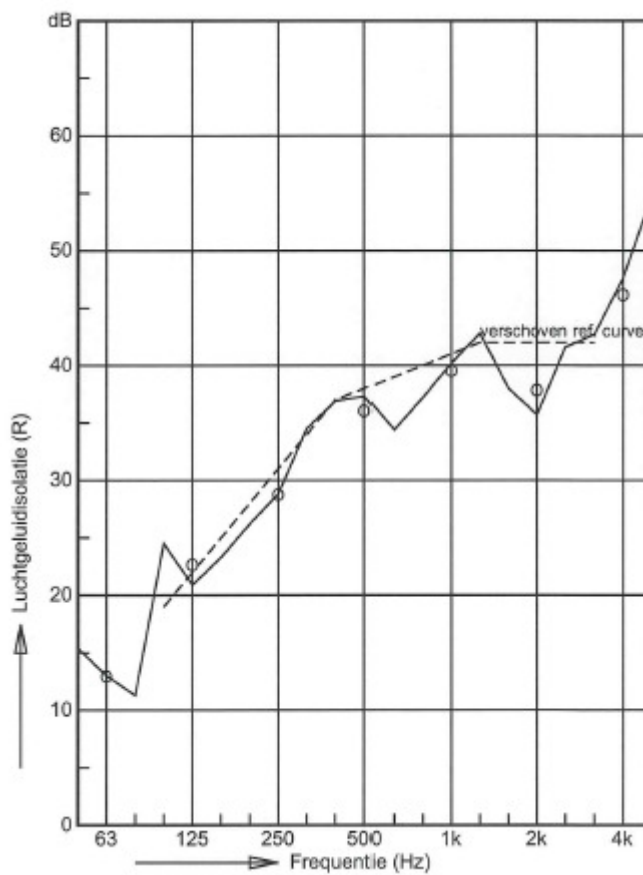


AIRBORNE SOUND INSULATION OF WALL PARTITION
Laboratory measurements in accordance with NEN-EN-ISO 10140-1 Annex A

Client : Espero B.V. Product : Sonico 110-38
 Project number : 054.01117/01.23 Test room : TNO transmission rooms 1-2
 Installed by : Espero B.V. Test date : 2011-05-24
 Description of specimen : Sonico 110-38 mobile wall, 115 mm thick,
 18 mm chipboard, absorption material applied to bottom locking strip.

Mass : 28 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	15.4	
63	13.0	12.9
80	11.3	
100	24.5	
125	20.9	22.6
160	23.3	
200	26.2	
250	28.8	28.7
315	34.5	
400	36.9	
500	37.3	36.0
630	34.4	
800	37.2	
1000	40.2	39.5
1250	42.8	
1600	38.0	
2000	35.7	37.8
2500	41.6	
3150	42.7	
4000	47.6	46.1
5000	54.7	



Rated in accordance with NEN-EN-ISO 717-1					
$R_w (C;C_{tr}) = 38 (-2;-4) \text{ dB}$	$C_{50-3150} = -3 \text{ dB}$	$C_{50-5000} = -2 \text{ dB}$	$C_{100-5000} = -1 \text{ dB}$	$C_{tr,50-3150} = -9 \text{ dB}$	$C_{tr,50-5000} = -9 \text{ dB}$
				$C_{tr,100-5000} = -4 \text{ dB}$	