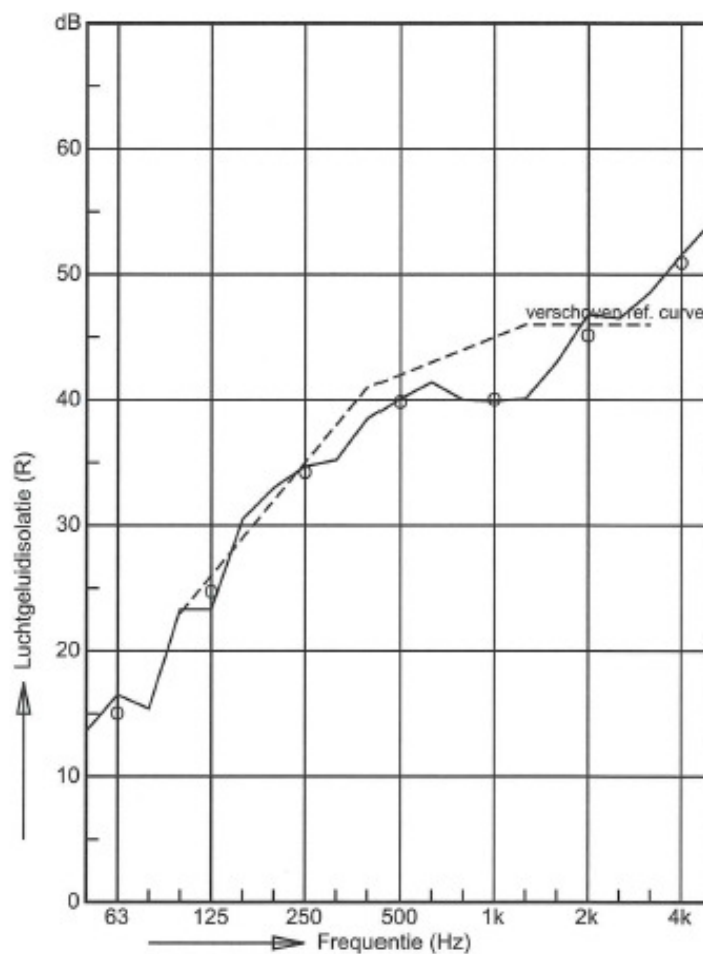


AIRBORNE SOUND INSULATION OF WALL PARTITION
Laboratory measurements in accordance with NEN-EN-ISO 10140-1 Annex A

Client : Espero B.V. Product : Sonico 100-42
 Project number : 054.01117/01.23 Test room : TNO transmission rooms 1-2
 Installed by : Espero B.V. Test date : 2011-03-10
 Description of specimen : Sonico 100-42 mobile wall, 105 mm thick,
 12 mm chipboard, cavity filled with glass wool,
 absorption material in top and bottom profile.

Mass : 27 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	13.6	
63	16.5	15.0
80	15.4	
100	23.3	
125	23.3	24.7
160	30.5	
200	33.0	
250	34.7	34.2
315	35.2	
400	38.5	
500	40.1	39.8
630	41.4	
800	40.0	
1000	39.9	40.0
1250	40.1	
1600	43.0	
2000	46.8	45.1
2500	46.5	
3150	48.6	
4000	51.6	50.9
5000	54.3	



Rated in accordance with NEN-EN-ISO 717-1					
$R_w (C;C_{tr}) = 42 (-2;-5) \text{ dB}$	$C_{50-3150} = -3 \text{ dB}$	$C_{50-5000} = -2 \text{ dB}$	$C_{100-5000} = -1 \text{ dB}$	$C_{tr,50-3150} = -10 \text{ dB}$	$C_{tr,50-5000} = -10 \text{ dB}$
				$C_{tr,100-5000} = -5 \text{ dB}$	