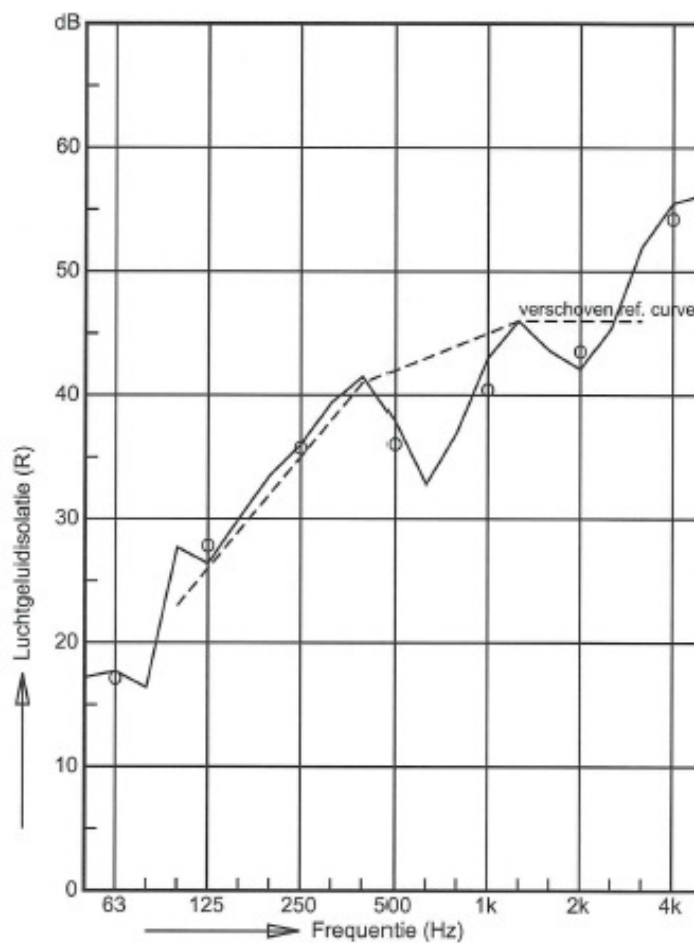


AIRBORNE SOUND INSULATION OF WALL PARTITION
Laboratory measurements in accordance with NEN-EN-ISO 10140-1 Annex A

Client : Espero B.V. Product : Sonico 110-42
 Project number : 054.01117/01.23 Test room : TNO transmission rooms 1-2
 Installed by : Espero B.V. Test date : 2011-05-25
 Description of specimen : Sonico 110-42 mobile wall, 115 mm thick,
 18 mm chipboard, cavity filled with glass wool,
 absorption material in bottom locking strip.

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	17.2	
63	17.7	17.1
80	16.4	
100	27.7	
125	26.4	27.8
160	30.0	
200	33.5	
250	36.0	35.7
315	39.4	
400	41.5	
500	37.9	36.0
630	32.8	
800	37.0	
1000	43.0	40.4
1250	46.0	
1600	43.6	
2000	42.1	43.5
2500	45.4	
3150	52.0	
4000	55.5	54.2
5000	56.2	



Rated in accordance with NEN-EN-ISO 717-1					
$R_w (C;C_{tr}) = 42 (-2;-5) \text{ dB}$	$C_{50-3150} = -3 \text{ dB}$	$C_{50-5000} = -2 \text{ dB}$	$C_{100-5000} = -1 \text{ dB}$		
	$C_{tr,50-3150} = -9 \text{ dB}$	$C_{tr,50-5000} = -9 \text{ dB}$	$C_{tr,100-5000} = -5 \text{ dB}$		