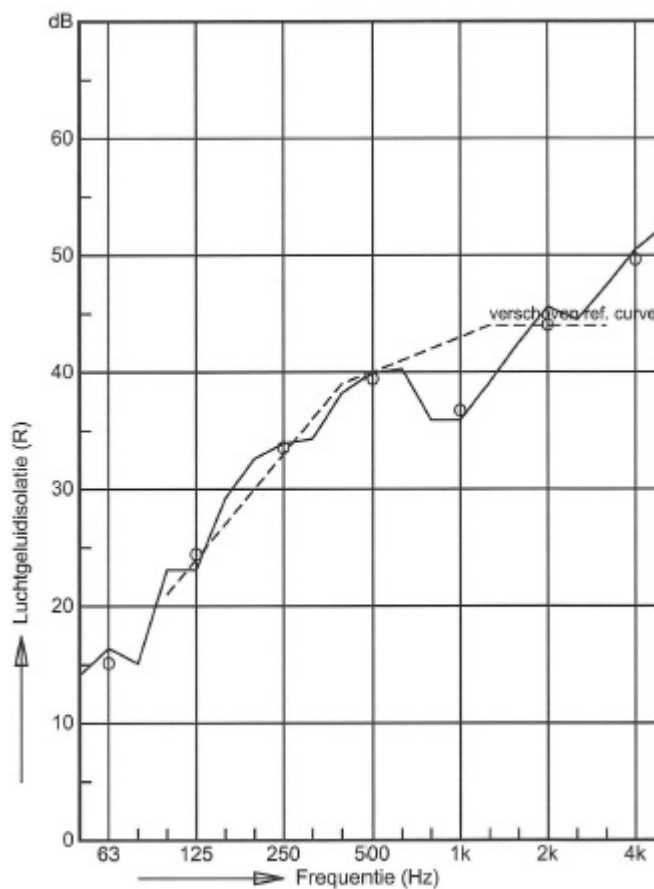


AIRBORNE SOUND INSULATION OF WALL PARTITION
Laboratory measurements in accordance with NEN-EN-ISO 10140-1 Annex A

Client : Espero B.V. Product : Sonico 100-40
 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 100-40 mobile wall, 105 mm thick,
 12 mm chipboard, cavity filled with glass wool,
 absorption material in 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	14.1	
63	16.4	15.1
80	15.1	
100	32.1	
125	32.1	24.4
160	29.2	
200	32.6	
250	33.9	33.5
315	34.3	
400	38.2	
500	39.9	39.4
630	40.3	
800	35.9	
1000	35.9	36.7
1250	39.1	
1600	42.5	
2000	45.6	44.0
2500	44.5	
3150	47.4	
4000	50.5	49.6
5000	52.6	



Rated in accordance with NEN-EN-ISO 717-1					
$R_w (C; C_{tr}) = 40 (-1; -4) \text{ dB}$	$C_{50-3150} = -2 \text{ dB}$	$C_{50-5000} = -1 \text{ dB}$	$C_{100-5000} = 0 \text{ dB}$		
	$C_{tr,50-3150} = -9 \text{ dB}$	$C_{tr,50-5000} = -9 \text{ dB}$	$C_{tr,100-5000} = -4 \text{ dB}$		