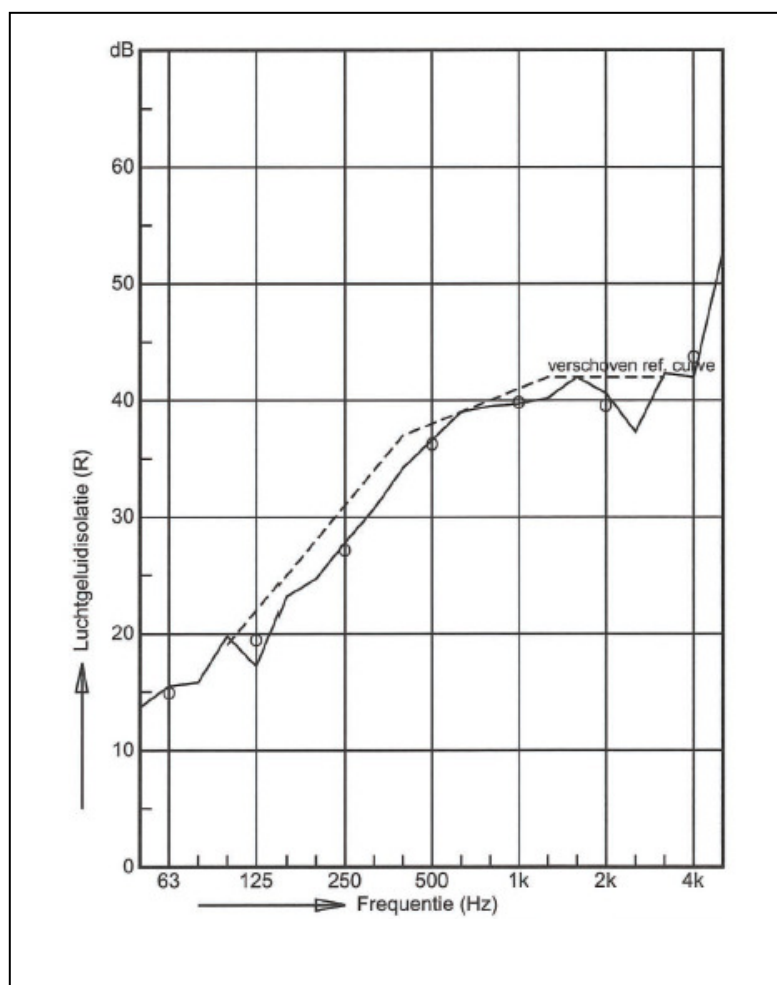


AIRBORNE SOUND INSULATION OF WALL PARTITION
Laboratory measurements in accordance with NEN-EN-ISO 10140-1 Annex A

Client : Espero B.V. Product : Sonico 100-38
 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 100-38 mobile wall, 105 mm thick,
 12 mm chipboard, absorption material in top and bottom profile

Mass : 26 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	13.7	
63	15.5	14.9
80	15.8	
100	19.8	
125	17.2	19.4
160	23.2	
200	24.7	
250	27.8	27.1
315	30.7	
400	34.2	
500	36.6	36.2
630	39.0	
800	39.5	
1000	39.7	39.8
1250	40.2	
1600	42.0	
2000	40.6	39.5
2500	37.3	
3150	42.3	
4000	42.0	43.7
5000	52.6	



Rating in accordance with NEN-EN-ISO 717-1					
$R_w (C; C_{tr}) = 38 (-2; -6) \text{ dB}$	$C_{50-3150} = -3 \text{ dB}$	$C_{50-5000} = -2 \text{ dB}$	$C_{100-5000} = -1 \text{ dB}$		
	$C_{tr,50-3150} = -9 \text{ dB}$	$C_{tr,50-5000} = -9 \text{ dB}$	$C_{tr,100-5000} = -6 \text{ dB}$		