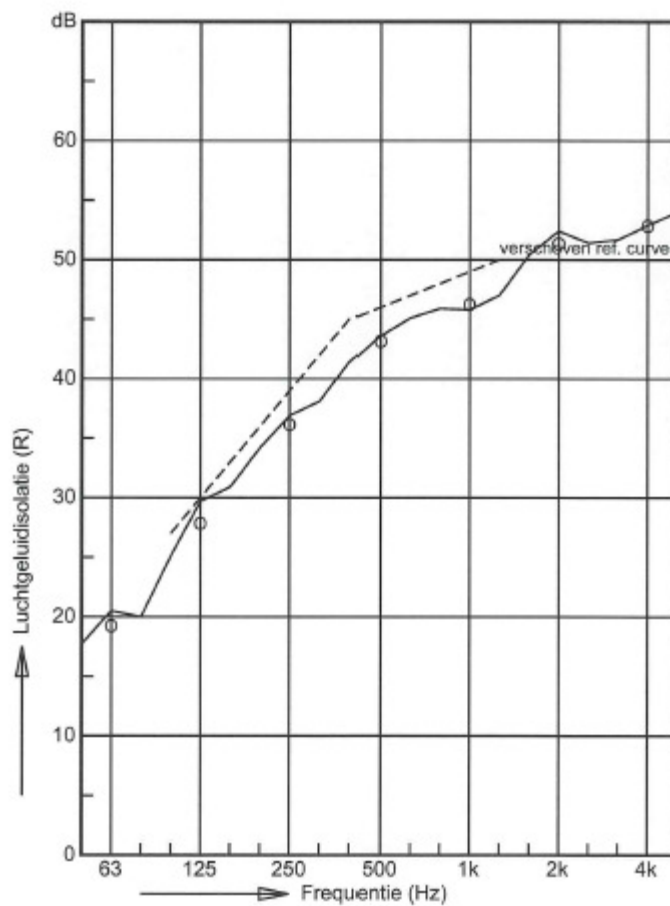


AIRBORNE SOUND INSULATION OF WALL PARTITION
Laboratory measurements in accordance with NEN-EN-ISO 10140-1 Annex A

Client : Espero B.V. Product : Sonico 100-46
 Project number : 054.01117/01.23 Test room : TNO transmission rooms 1-2
 Installed by : Espero B.V. Test date : 2011-03-11
 Description of specimen : Sonico 100-46 mobile wall, 105 mm thick,
 12 mm chipboard, with 3 kg/m² vibration damping,
 cavity filled with glass wool, absorption material in top and bottom profile.

Mass : 33 kg/m² Source room volume : 109 m³
 Surface area : 10 m² Receiving room volume : 99 m³

Frequency (Hz)	R 1/3 oct (dB)	R 1/1 oct (dB)
50	17.7	
63	20.5	19.2
80	20.0	
100	25.1	
125	29.7	27.8
160	30.9	
200	43.2	
250	36.9	36.1
315	38.1	
400	41.4	
500	43.6	43.1
630	45.1	
800	45.9	
1000	45.8	46.2
1250	47.0	
1600	50.4	
2000	52.4	51.3
2500	51.4	
3150	51.7	
4000	52.9	52.8
5000	54.0	



Rated in accordance with NEN-EN-ISO 717-1					
$R_w (C; C_{tr}) = 46 (-2; -6) \text{ dB}$	$C_{50-3150} = -3 \text{ dB}$	$C_{50-5000} = -2 \text{ dB}$	$C_{100-5000} = -1 \text{ dB}$	$C_{tr,50-3150} = -10 \text{ dB}$	$C_{tr,100-5000} = -6 \text{ dB}$