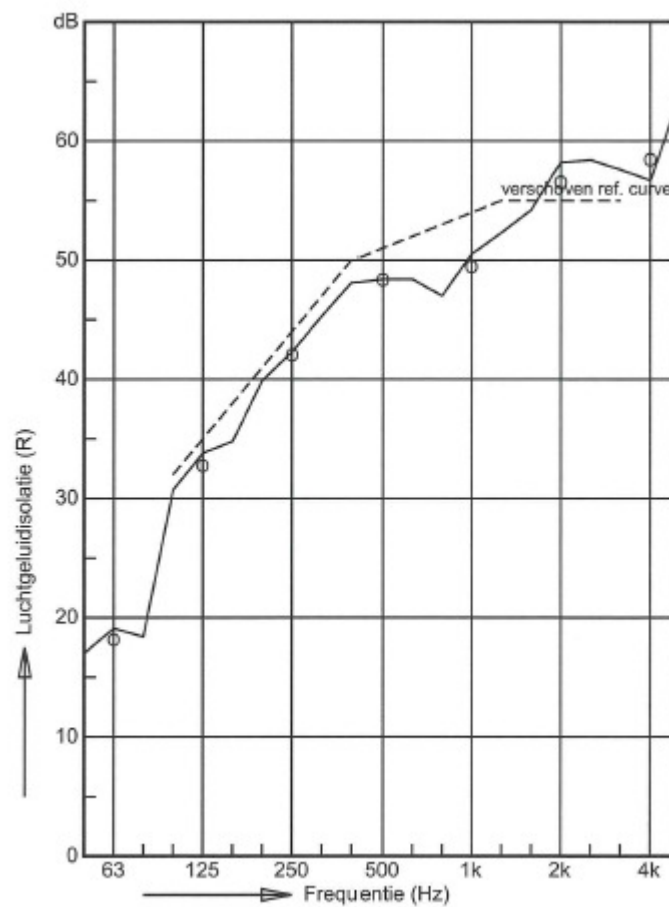


AIRBORNE SOUND INSULATION OF WALL PARTITION
Laboratory measurements in accordance with NEN-EN-ISO 10140-1 Annex A

Client : Espero B.V. Product : Sonico 100-51
 Project number : 054.01117/01.23 Test room : TNO transmission rooms 1-2
 Installed by : Espero B.V. Test date : 2011-06-23
 Description of specimen : Sonico 100-51 mobile wall, 105 mm thick,
 12 mm chipboard, with 8 kg/m² vibration damping,
 cavity filled with glass wool, absorption material applied to locking strips,

Mass : 38 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	17.0	
63	19.1	18.1
80	18.4	
100	30.7	
125	33.8	32.7
160	34.8	
200	39.9	
250	42.3	42
315	45.3	
400	48.1	
500	48.4	48.3
630	48.4	
800	47.0	
1000	50.5	49.4
1250	52.3	
1600	54.2	
2000	58.2	56.5
2500	58.4	
3150	57.6	
4000	56.7	58.4
5000	63.8	



Rated in accordance with NEN-EN-ISO 717-1					
$R_w (C; C_{tr}) = 51 (-2; -6) \text{ dB}$	$C_{50-3150} = -5 \text{ dB}$	$C_{50-5000} = -4 \text{ dB}$	$C_{100-5000} = -1 \text{ dB}$	$C_{tr,50-3150} = -15 \text{ dB}$	$C_{tr,100-5000} = -6 \text{ dB}$