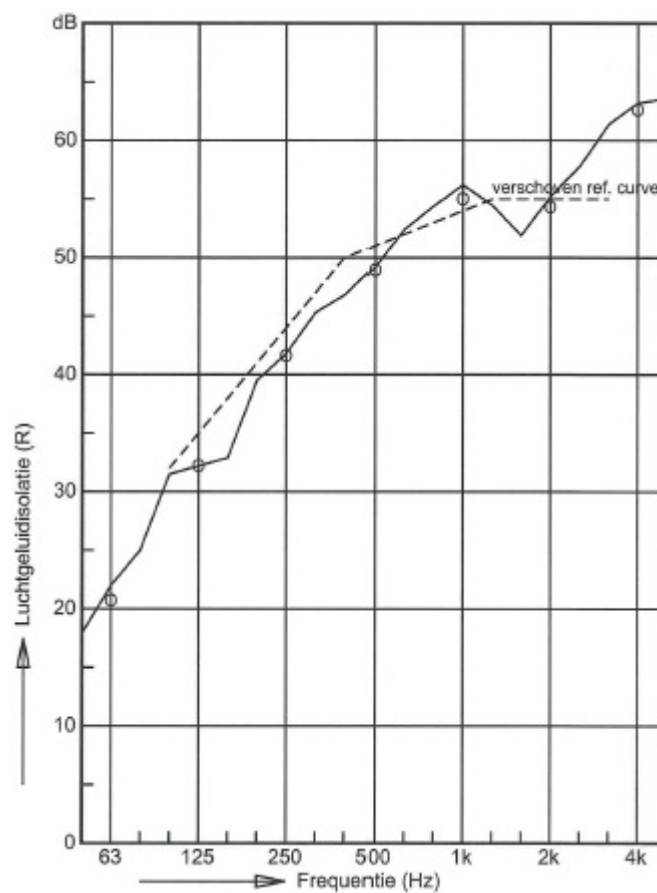


AIRBORNE SOUND INSULATION OF WALL PARTITION
Laboratory measurements in accordance with NEN-EN-ISO 10140-1 Annex A

Client : Espero B.V. Product : Sonico 110-51
 Project number : 054.01117/01.23 Test room : TNO transmission rooms 1-2
 Installed by : Espero B.V. Test date : 2011-03-23
 Description of specimen : Sonico 110-51 mobile wall, 115 mm thick,
 18 mm chipboard, with 8 kg/m² vibration damping, cavity filled with glass wool,
 absorption material applied to locking strips.

Mass : 45 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	17.9	
63	22.0	20.7
80	25.0	
100	31.5	
125	32.2	32.2
160	32.9	
200	39.5	
250	41.8	41.6
315	45.3	
400	46.8	
500	49.2	48.9
630	52.4	
800	54.4	
1000	56.2	55.0
1250	54.4	
1600	51.9	
2000	55.2	54.3
2500	57.8	
3150	61.4	
4000	63.2	62.6
5000	63.3	



Rated in accordance with NEN-EN-ISO 717-1					
R _w (C;C _{tr}) = 51 (-2;-6) dB	C ₅₀₋₃₁₅₀ = -3 dB	C ₅₀₋₅₀₀₀ = -2 dB	C ₁₀₀₋₅₀₀₀ = -1 dB		
	C _{tr,50-3150} = -12 dB	C _{tr,50-5000} = -12 dB	C _{tr,100-5000} = -6 dB		