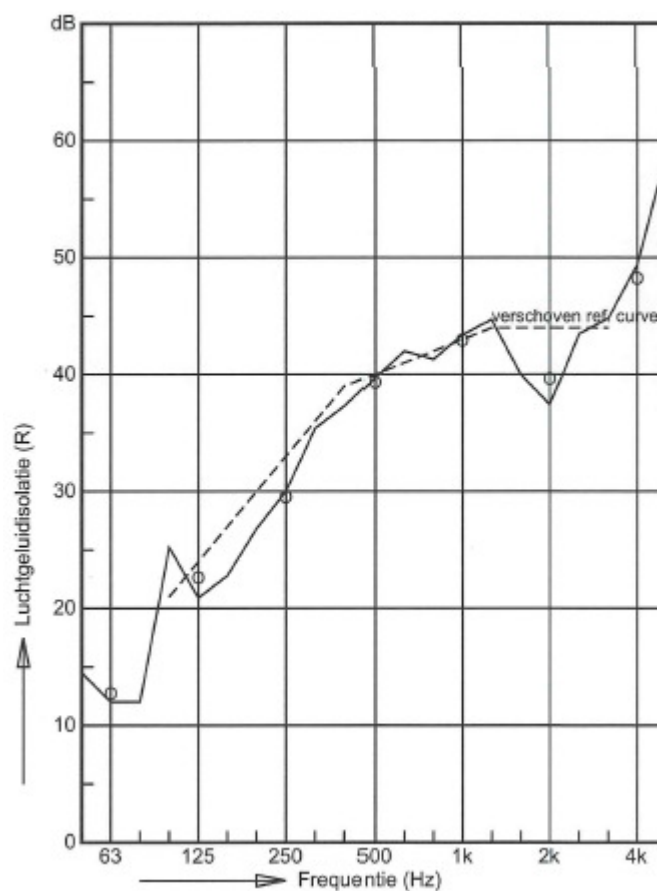


AIRBORNE SOUND INSULATION OF WALL PARTITION
Laboratory measurements in accordance with NEN-EN-ISO 10140-1 Annex A

Client : Espero B.V. Product : Sonico 110-40
 Project number : 054.01117/01.23 Test room : TNO transmission rooms 1-2
 Installed by : Espero B.V. Test date : 2011-05-23
 Description of specimen : Sonico 110-40 mobile wall, 115 mm thick,
 18 mm chipboard, locking strips with absorption material.

Mass : 28 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	14.5	
63	12.0	12.7
80	12.0	
100	25.2	
125	20.9	22.6
160	22.8	
200	26.8	
250	30.0	29.5
315	35.4	
400	37.3	
500	39.7	39.3
630	42.0	
800	41.3	
1000	43.4	42.9
1250	44.7	
1600	40.0	
2000	37.4	39.6
2500	43.5	
3150	44.8	
4000	49.4	48.2
5000	58.8	



Rated in accordance with NEN-EN-ISO 717-1			
$R_w (C;C_{tr}) = 40 (-2;-6) \text{ dB}$	$C_{50-3150} = -3 \text{ dB}$	$C_{50-5000} = -2 \text{ dB}$	$C_{100-5000} = -1 \text{ dB}$
	$C_{tr,50-3150} = -11 \text{ dB}$	$C_{tr,50-5000} = -11 \text{ dB}$	$C_{tr,100-5000} = -6 \text{ dB}$