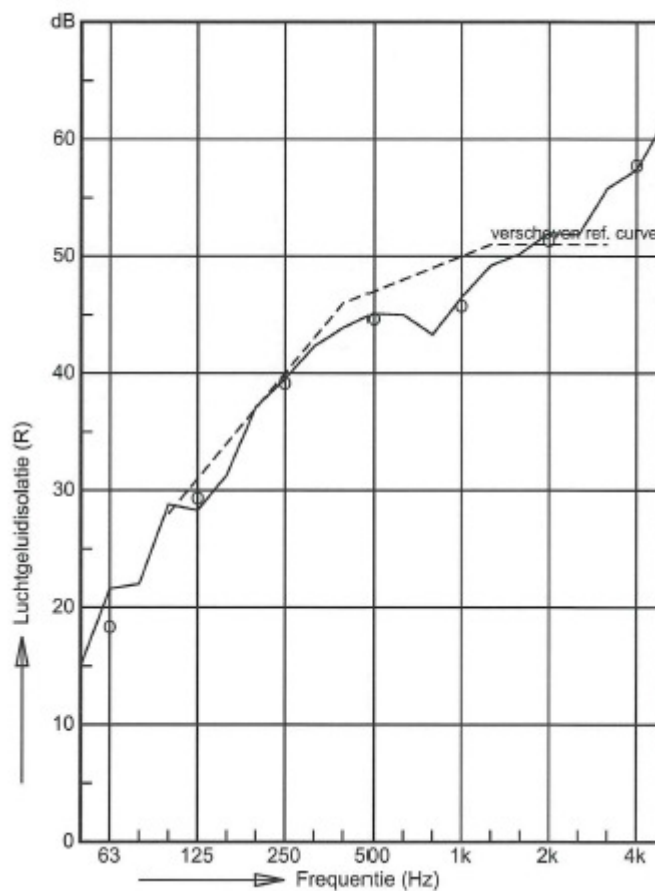


AIRBORNE SOUND INSULATION OF WALL PARTITION
Laboratory measurements in accordance with NEN-EN-ISO 10140-1 Annex A

Client : Espero B.V. Product : Sonico 110-47
 Project number : 054.01117/01.23 Test room : TNO transmission rooms 1-2
 Installed by : Espero B.V. Test date : 2011-05-24
 Description of specimen : Sonico 110-47 mobile wall, 115 mm thick,
 18 mm chipboard, with 5 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 : 107 m³

Frequency (Hz)	R 1/3 oct (dB)	R 1/1 oct (dB)
50	15.0	
63	21.6	18.3
80	22.0	
100	28.8	
125	28.3	29.3
160	31.3	
200	37.1	
250	39.5	39.1
315	42.3	
400	43.9	
500	45.1	44.6
630	45.0	
800	43.3	
1000	46.5	45.7
1250	49.2	
1600	50.2	
2000	52.0	51.3
2500	51.8	
3150	55.8	
4000	57.4	57.7
5000	61.8	



Single-number quantity in accordance with NEN-EN-ISO 717-1					
$R_w(C;C_{tr}) = 47 (-2;-5) \text{ dB}$	$C_{50-3150} = -3 \text{ dB}$	$C_{50-5000} = -2 \text{ dB}$	$C_{100-5000} = -1 \text{ dB}$		
	$C_{tr,50-3150} = -11 \text{ dB}$	$C_{tr,50-5000} = -11 \text{ dB}$	$C_{tr,100-5000} = -5 \text{ dB}$		