

Client: **Espero BV**
5145 PE Waalwijk

Results 1

Test specimen:

Double-leaf movable glass accordion partition consisted of 4 fullwall glass elements, one closed half-width element and two wall jambs, Type: "Vetro" (test specimen S 10664/1-12).

The glass accordion partition was in a functional state.

Element construction:

- 5 mm Tempered glass (ESG), mass per unit area: 12.5 kg/m²
- 73 mm Cavity
- 5 mm Tempered glass (ESG), mass per unit area: 12.5 kg/m².

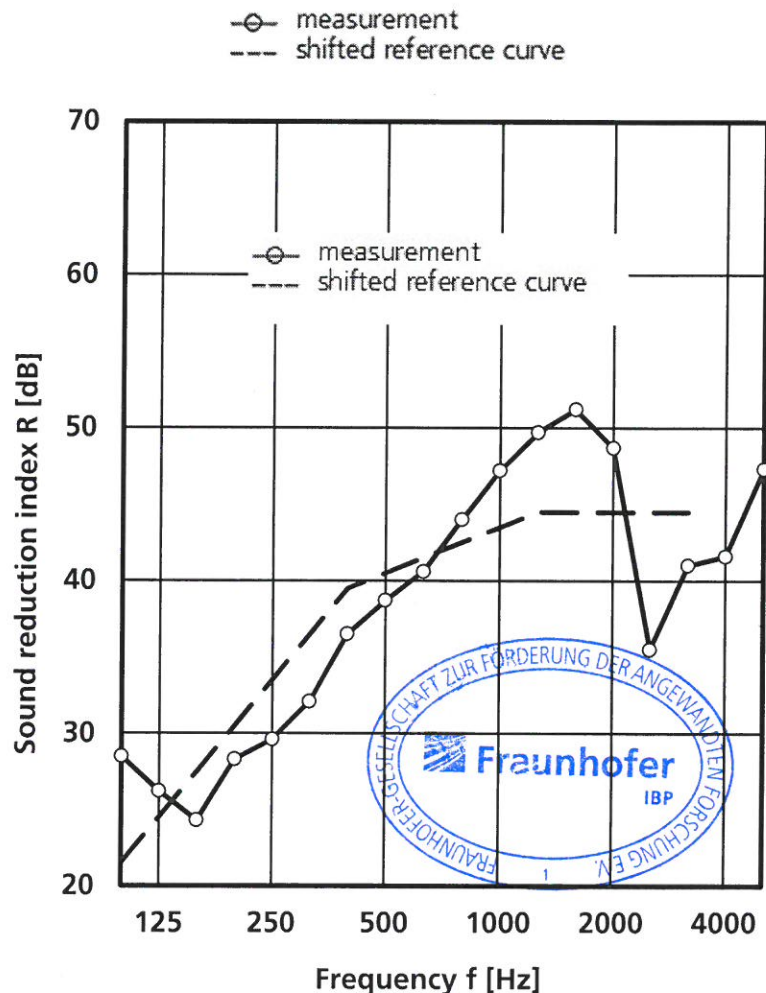
Partition thickness: 86 mm

Mass per unit area of test wall: 35 kg/m² (including frame and mechanics).

For further data of the specimen and details see Table 1 and Fig. 1-2.

Test area: 10.7 m²
 Test lab: P6
 Volumes: V_S = 52.1 m³
 V_E = 63.2 m³
 Type: Test facility
 Rel. humidity: 62 ± 2 %
 Air temp.: 20.2 ± 0.3 °C
 Stat. pressure: 975 ± 1 hPa
 Noise: pink noise
 Date of Measurement: Sept. 16, 2015

f [Hz]	R [dB]
50	-
63	-
80	-
100	28.5
125	26.2
160	24.3
200	28.3
250	29.6
315	32.1
400	36.5
500	38.7
630	40.6
800	44.0
1000	47.2
1250	49.7
1600	51.2
2000	48.7
2500	35.5
3150	41.0
4000	41.6
5000	47.3



Weighted sound reduction index acc. to DIN EN ISO 717-1:2013
R_w (C; C_{tr}; C₁₀₀₋₅₀₀₀; C_{tr,100-5000}) = 40.5 ± 1.2 (-1; -4; -1; -4) dB



The test was carried out in laboratory facilities of the IBP which is accredited acc. to DIN EN ISO/IEC 17025:2005 by DAkKS. The accreditation certificate is D-PL-11140-11-01.

Stuttgart, November 8, 2016
 Head of test laboratory: