

**Client:** Espero BV  
NL – 5145 PE Waalwijk

**Fig. 3**

**Test specimen**

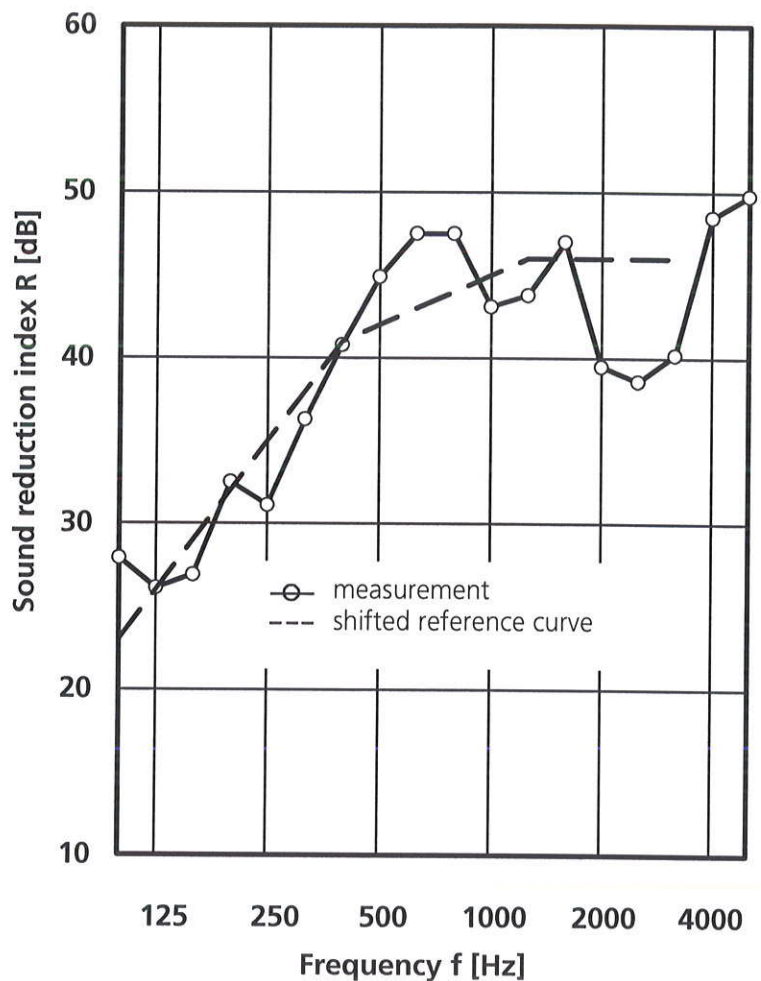
Double-leaf movable glass partition wall (test object S 10664-01), Type "Visio-100 42 dB" (see Fig. 1 and 2). Covering on both sides of 6 mm thick ESG-glass pane, cavity of the element without insulation material. The partition consisted of 3 glass elements (1006 mm x 2802 mm each), a wall post (65 mm x 2802 mm) and a retractable wall post (520 mm x 2802 mm). The partition was in a functional state.

Partition thickness: 102 mm  
 Mass per unit area of the covering: 30 kg/m<sup>2</sup>  
 Mass per unit area of test wall: 44 kg/m<sup>2</sup> (including frame and mechanics)

Additional description and technical data see page 2 and 3 of the test report as well as Fig.1 and 2.

**Test surface area:** 10.7 m<sup>2</sup>  
**Test facilities:** test facilities for walls P6  
**Room volume:** V<sub>S</sub> = 52.8 m<sup>3</sup>  
 V<sub>E</sub> = 63.2 m<sup>3</sup>

**Maximum insulation of test facility:** R'<sub>max,w</sub> = 77 dB  
**Relative humidity:** 51 % ± 2 %  
**Air temperature:** 22.1 °C ± 0.3 °C  
**Static air pressure:** 985 hPa ± 1 hPa  
**Excitation noise:** pink noise  
**Test date:** September 9, 2014



| Frequency f [Hz] | Sound reduction index R [dB] |
|------------------|------------------------------|
| 100              | 27.9                         |
| 125              | 26.1                         |
| 160              | 26.9                         |
| 200              | 32.5                         |
| 250              | 31.1                         |
| 315              | 36.3                         |
| 400              | 40.8                         |
| 500              | 44.9                         |
| 630              | 47.5                         |
| 800              | 47.5                         |
| 1000             | 43.1                         |
| 1250             | 43.8                         |
| 1600             | 47.0                         |
| 2000             | 39.5                         |
| 2500             | 38.6                         |
| 3150             | 40.2                         |
| 4000             | 48.5                         |
| 5000             | 49.8                         |

**Weighted sound reduction index and spectrum adaptation terms according to DIN EN ISO 717-1:2013**

$R_w (C; C_{tr}; C_{100-5000}; C_{tr,100-5000}) = 42 \text{ dB} (-2; -4; -1; -4)$



The test was carried out in a test laboratory of the IBP accredited according to DIN EN ISO/IEC 17025 by the DAP (German Accreditation System for Testing), No. DAP-PL-3743.26.

Stuttgart, December 10, 2014  
**Head of the test laboratory:**

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