

Sound insulation index to DIN EN ISO 10140-2010**P-BA 102/2017**

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Results sheet 1

Subject:

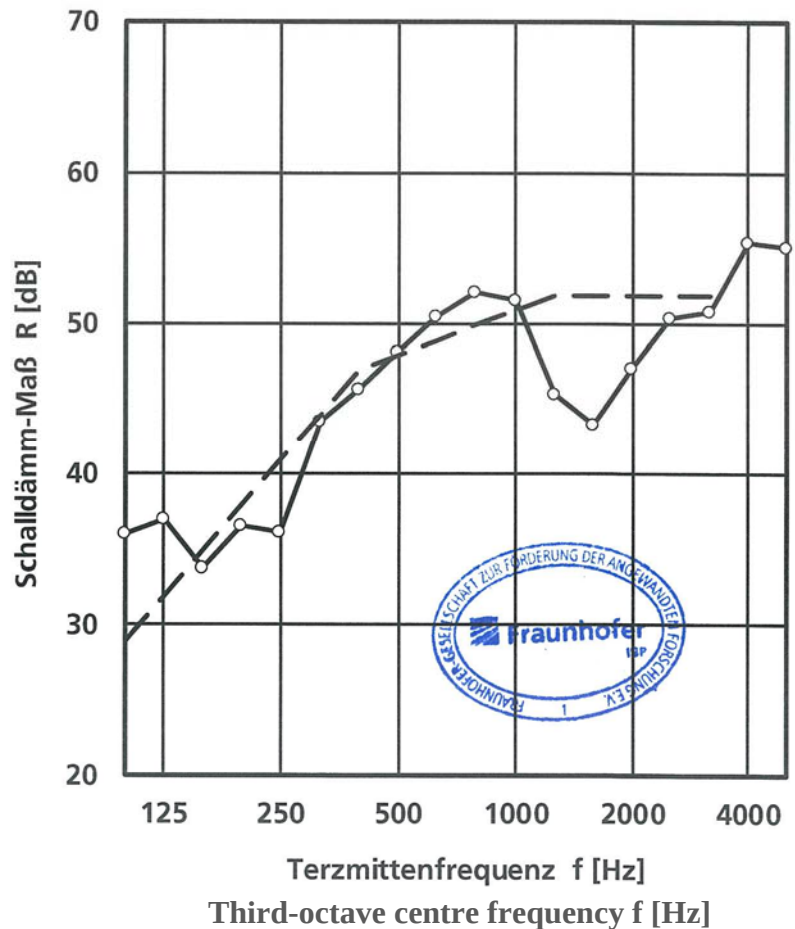
Electrically operated movable glass wall with 3 glass full-wall elements and a telescopic wall abutment (test item S 11027-35), type Variflex Glas, clad on one side with a 10 mm thick toughened safety glass (TSG) panel and on the other side with an 8 mm thick TSG panel.

The movable wall (partition) was in a fully functional condition.

For a further description of the subject and technical data, see Table 1 and also Figs. 1 and 2.

Tested surface area: 10.75 m²
Test rooms: P6
Room volumes:
Source V_S = 51.5 m³
Receiver V_E = 63.2 m³
Type: Test stand
Rel. humidity: 35 ± 2%
Air temperature: 21.2 ± 0.3 °C
Static air pressure: 985 ± 1 hPa
Test sound: Pink noise
Date of test: 8 Feb. 2017

f [Hz]	R [dB]
50	14,3
63	11,8
80	26,0
100	36,0
125	37,0
160	33,7
200	36,5
250	36,1
315	43,5
400	45,6
500	48,1
630	50,5
800	52,1
1000	51,5
1250	45,3
1600	43,3
2000	47,0
2500	50,4
3150	50,8
4000	55,4
5000	55,1

Sound reduction value R [dB]

Weighted sound reduction index to DIN EN ISO 717-1:2013
 $R_w (C; C_{tr}; C_{100-5000}; C_{tr, 100-5000}) = 47.9 \pm 1.2 (-1; -3; 0; -3) \text{ dB}$

Fraunhofer
IBP

This test was carried out in a test laboratory of the IBP, accredited to DIN EN ISO/IEC 17025:2005 by the DAP with certificate no. D-PL-11140-11-01.

Stuttgart, 22 June 2017
Test department manager: