

Sound reduction index to DIN EN 20 140-3	P-BA 72/2008
Applicant: DORMA Hüppe Raumtrennsysteme GmbH + Co. KG 26655 Westerstede/Ocholt, Germany	Fig. 3

Subject:

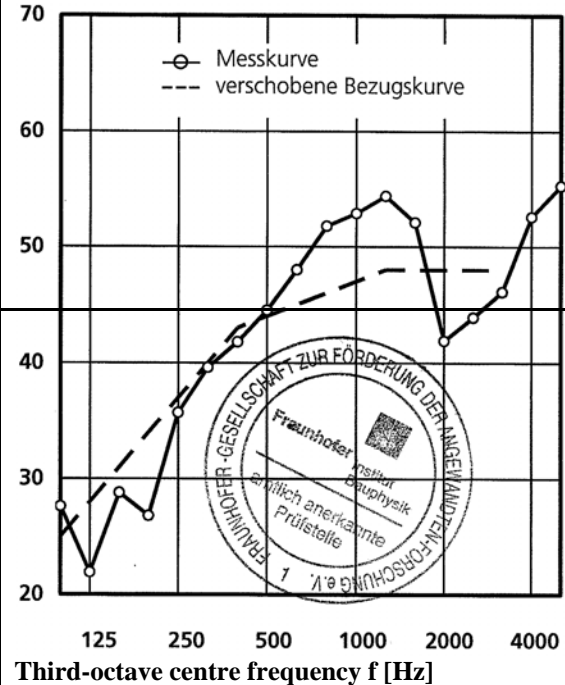
Movable partition wall (Test Object S 9560-114), type MOVEO-GLASS with cover panels on both faces comprising a 6 mm thick sheet of toughened safety glass (TSG), without insulation material in the element cavity, featuring the following constructional details (see Fig. 1 and Fig. 2):

For further description and technical data, see pages 1 and 2 of the test report, and also Figs. 1 and 2.

Test stand:	Wall test stand P6
Room volumes:	
Source	$V_S = 51.5 \text{ m}^3$
Receiver	$V_E = 63.2 \text{ m}^3$
Maximum test stand attenuation:	$R'_w = 75 \text{ dB}$
Test area:	10.7 m^2
Test sound:	Pink noise
Rel. humidity:	54%
Air temperature:	20°C
Date of test:	September 16, 2007

f [Hz]	R [dB]
100	27,6
125	21,9
160	28,8
200	26,8
250	35,7
315	39,6
400	41,8
500	44,5
630	48,0
800	51,8
1000	52,9
1250	54,4
1600	52,1
2000	41,9
2500	43,9
3150	46,1
4000	52,6
5000	55,3

Sound reduction index R [dB]



-o- Measured curve
--- Shifted reference curve

Weighted sound reduction index and spectrum adaptation terms to DIN EN ISO 717: Part 1

$$R_w (C; C_{tr}; C_{100-5000}; C_{tr, 100-5000}) = 44 (-2; -7; -2; -7) \text{ dB}$$

IBP
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Bauphysik (Institute of
Structural Physics)

This test was carried out in a test laboratory of the IBP accredited to DIN EN ISO/IEC 17025 by the DAP with certificate no. DAP-PL-3743.26.
Stuttgart, April 11, 2008

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P-BA 72/2008