

<b>Sound reduction index to DIN EN 20 140-3</b> <b>Applicant:</b> DORMA Hüppe Raumtrennsysteme GmbH + Co. KG 26655 Westerstede/Ocholt, Germany	P-BA 73/2008 <b>Fig. 3</b>
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**Subject:**

Operable partition (test object S 9560-116), type MOVEO-GLASS with cover panels comprising a 10 mm thick and an 8 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.

<b>Test stand:</b> Wall test stand P6 <b>Room volumes:</b> Source $V_S = 51.5 \text{ m}^3$ Receiver $V_E = 63.2 \text{ m}^3$ <b>Maximum test stand attenuation:</b> $R'_w = 75 \text{ dB}$ <b>Test area:</b> $10.7 \text{ m}^2$ <b>Test sound:</b> Pink noise <b>Rel. humidity:</b> 46% <b>Air temperature:</b> 20°C <b>Date of test:</b> October 15, 2007	<b>Sound reduction index R [dB]</b> 
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f [Hz]	R [dB]
100	33,3
125	34,5
160	33,2
200	38,3
250	39,4
315	44,6
400	47,1
500	48,8
630	51,1
800	53,0
1000	52,0
1250	47,1
1600	46,8
2000	53,1
2500	52,5
3150	56,4
4000	53,7
5000	58,2

**Third-octave centre frequency f [Hz]**

-o- Measured curve  
--- Shifted reference curve

**Weighted sound reduction index and spectrum adaptation terms to DIN EN ISO 717: Part 1**  
 $R_w (C; C_{tr}; C_{100-5000}; C_{tr, 100-5000}) = 50 (-2; -5; -1; -5) \text{ dB}$

<b>IBP</b> <b>Fraunhofer Institut Bauphysik (Institute of Structural Physics)</b>	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 <b>Test department manager:</b>
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