

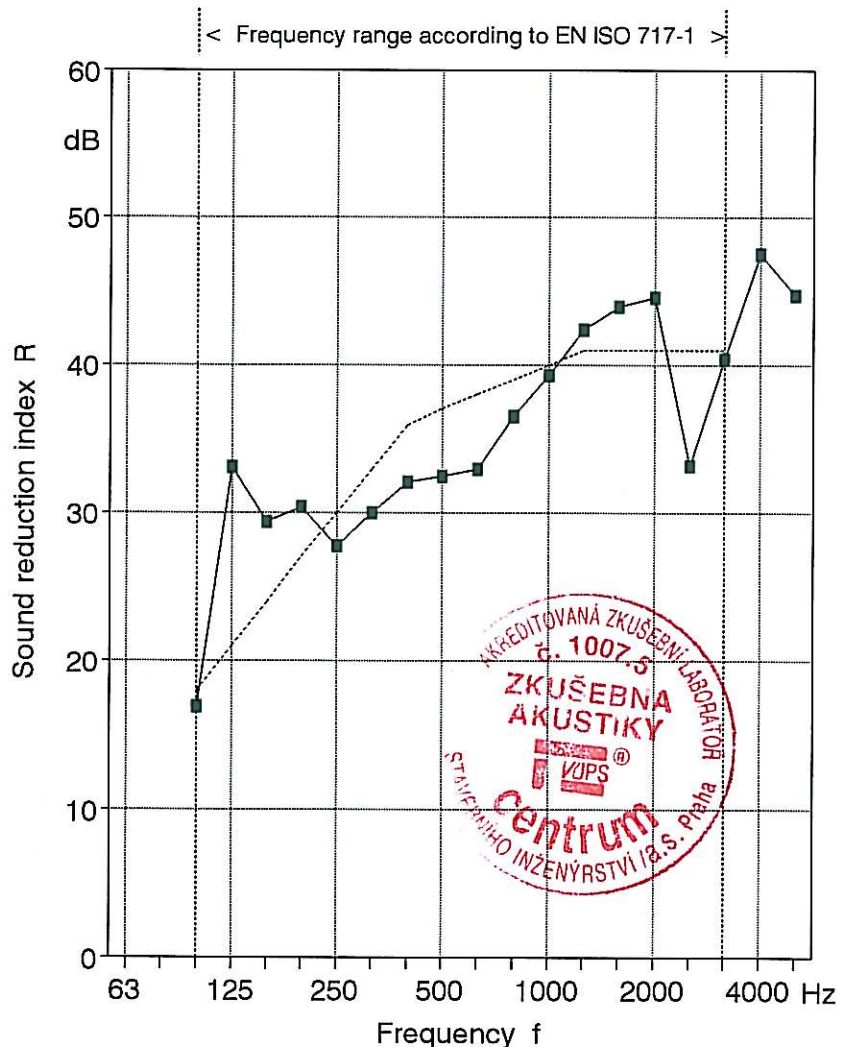
## SOUND REDUCTION INDEX ACCORDING TO EN ISO 140-3

### Laboratory measurements of airborne sound insulation of building elements

Product: Aperture filling with glass blocks Q19 Energy Saving glass block  
 Description: Dimensions of test specimen in the test opening: 1440 mm x 2080 mm:  
 of test specimen: Glass blocks 190x190x80 mm  
 Number of blocks in the measured specimen: 7x10 items  
 The sample was build up with mortar VETROMALTA (Italy) and spacers of 10 mm.

Manufacturer and client: VITRABLOK s.r.o. - Bílinská 42, Duchcov      Date of test: 15. 10. 2009  
 Test rooms: K4→K3      Date of mounting: 14. 10. 2009  
 Area of test specimen: 3.00 m<sup>2</sup>  
 Mass per unit area: 87 kg/m<sup>2</sup>  
 Temperature: 19.8 °C  
 Relative humidity: 40 %  
 Sending room volume: 80.25 m<sup>3</sup>  
 Receiving room volume: 80.25 m<sup>3</sup>

Freq. Hz	R dB
50	----
63	----
80	----
100	16.9
125	33.1
160	29.4
200	30.4
250	27.7
315	30.0
400	32.1
500	32.5
630	33.0
800	36.5
1000	39.3
1250	42.4
1600	44.0
2000	44.6
2500	33.2
3150	40.4
4000	47.6
5000	44.8



Rating according to EN ISO 717-1: Weighted sound reduction index and spectrum adaptation terms  
**R<sub>w</sub> (C;Ctr) = 37 (-1;-4) dB**      C(100-5000) = -1 dB    Ctr(100-5000) = -4 dB

No. of test: **OK-836**  
 Head of test laboratory:  
 Ing. M. Meller, CSc

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