

Sound reduction according to EN ISO 10140-2

Laboratory measurement of airborne sound insulation of building elements

Reg. No.:
172/13

Customer:
PRESS GLASS SA
Nowa Wieś, ul. Kopalniana 9
42-262 Poczesna, Poland

Product: Insulating glass unit

Sample description: insulating glass unit Float 10 mm /20 Argon/ VSG 44.2 Acoustic, dimensions 1200 mm x 1500 mm. Structure:

- Float 10 mm,
- aluminium spacer 20 mm, argon,
- laminated glass 44.2 Acoustic.

Weight of the sample: 81,8 kg, mass per unit area: 45,4 kg/m².

Sample No.: 98/A/13.

Conditions of the test

Area of test element: 1,8 m²
Source room volume: 90 m³
Receiving room volume: 70 m³

Test date: 21.08.2013

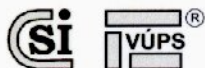
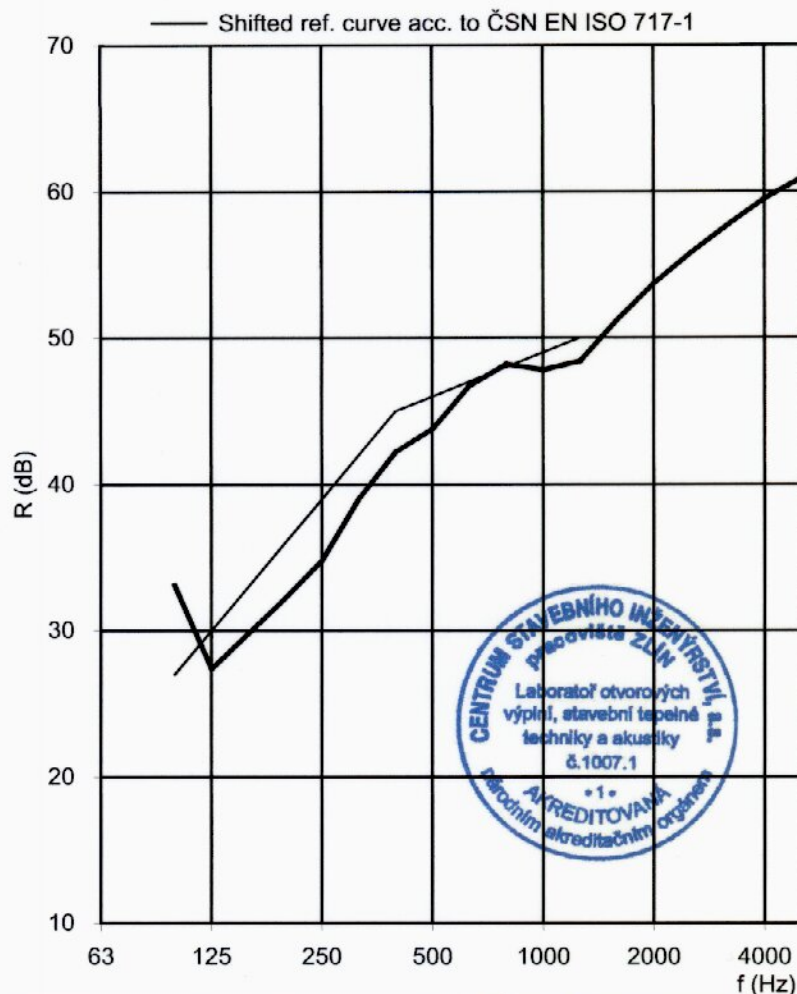
Air temperature: 23 °C

Relative humidity: 66 %


Static pressure: 997 hPa

Freq. (Hz)	R 1/3 okt. (dB)
100	33,1
125	27,4
160	29,8
200	32,2
250	34,8
315	39,0
400	42,2
500	43,8
630	46,7
800	48,2
1000	47,8
1250	48,4
1600	51,2
2000	53,7
2500	55,8
3150	57,7
4000	59,5
5000	60,9

Rating according EN ISO 717-1

 $R_w (C; C_{tr}) = 46 (-1; -5) \text{ dB}$ $C_{100-5000} = 0 \text{ dB}, C_{tr100-5000} = -5 \text{ dB}$ Centrum stavebního inženýrství a.s.
pracoviště Zlín

Date: 24.09.2013


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Head of laboratory