

Sound reduction according to EN ISO 10140-2

Laboratory measurement of airborne sound insulation of building elements

Reg. No.:
172/12

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

Product: Insulating glass unit

Sample description: insulating glass unit Thermofloat 1,0 8mm / 20 Argon / VSG 44.1 Acoustic, dimensions 1200 mm x 1500 mm. Structure:
 – Silvestar ZERO 1,0, thickness 8 mm,
 – aluminium spacer 20 mm, argon,
 – laminated glass 44.1 S Phon.

Weight of the sample: 73,5 kg, mass per unit area: 40,8 kg/m².
 Sample No.: 117/A/12.

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

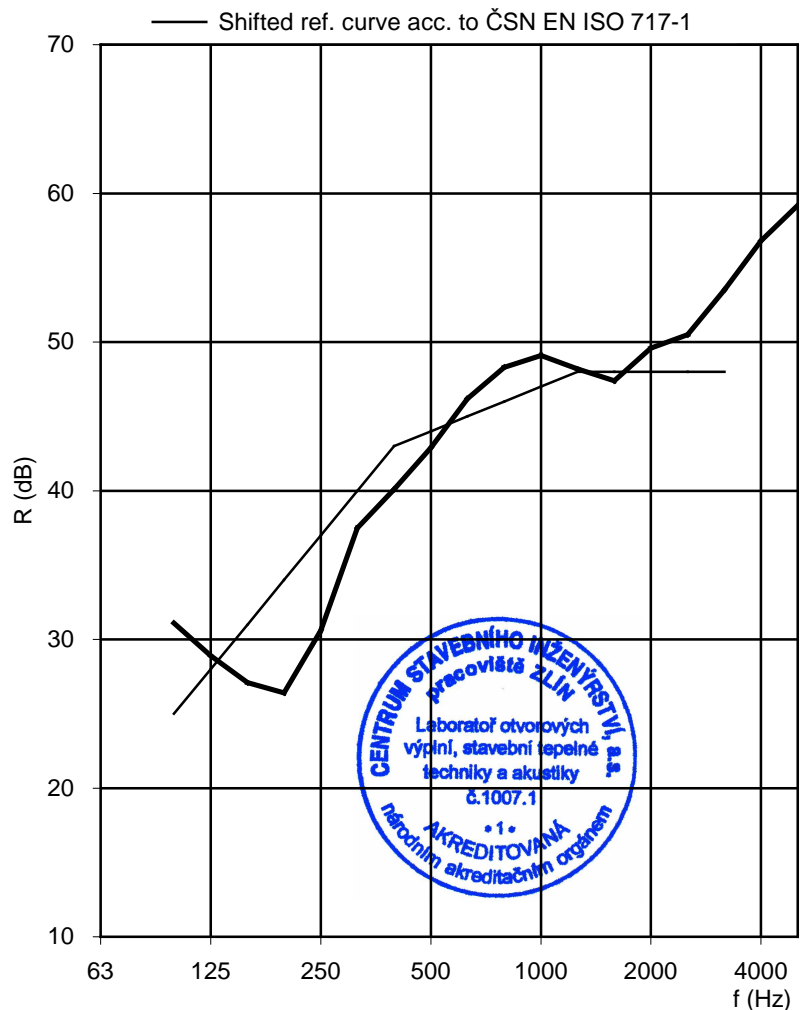
Test date: 02.10.2012
 Air temperature: 23 °C
 Relative humidity: 61 %
 Static pressure: 988 hPa

Freq. (Hz)	R 1/3 okt. (dB)
100	31,1
125	28,9
160	27,1
200	26,4
250	30,6
315	37,5
400	40,1
500	42,9
630	46,2
800	48,3
1000	49,1
1250	48,2
1600	47,4
2000	49,6
2500	50,5
3150	53,5
4000	56,8
5000	59,2

Rating according EN ISO 717-1

R_w (C; C_{tr}) = 44 (-2; -6) dB

C₁₀₀₋₅₀₀₀ = -1 dB, C_{tr100-5000} = -6 dB



Centrum stavebního inženýrství a.s.
 pracoviště Zlín

Date: 17.10.2012

Ing. Miroslav Figalla
 Head of laboratory