

## Sound reduction according to EN ISO 10140-2

Laboratory measurement of airborne sound insulation of building elements

Reg. No.:  
149/12

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

Product: Insulating glass unit

Sample description: insulating glass unit, dimensions 1200 x 1500 mm.

Structure:

- laminated glass VSG (Float 6 /1,52 PVB SC/ Float 8) 15,5 mm,
- aluminium spacer 15 mm, argon,
- laminated glass VSG (Float 8 /0,76 PVB SC/ Float 8) 16,8 mm.

Weight of the sample: 146 kg, mass per unit area: 81,1 kg/m<sup>2</sup>.

Sample No.: 105/A/12.

Conditions of the test

Area of test element: 1,8 m<sup>2</sup>  
Source room volume: 90 m<sup>3</sup>  
Receiving room volume: 70 m<sup>3</sup>

Test date: 06.08.2012

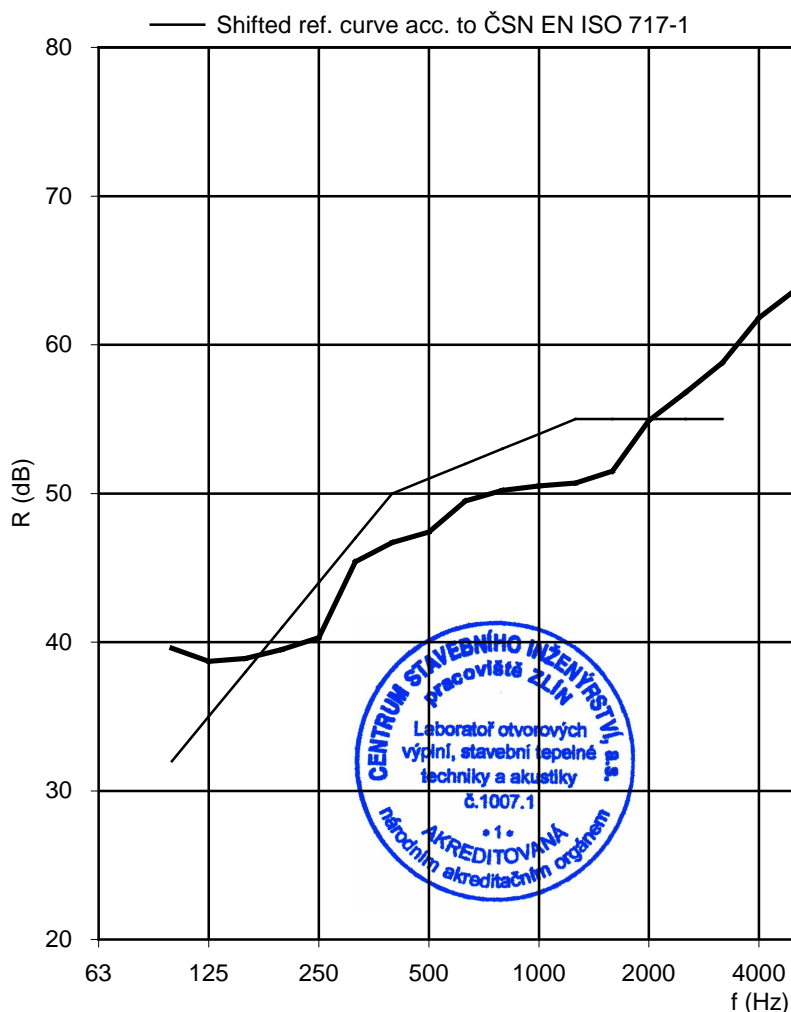
Air temperature: 23 °C  
Relative humidity: 72 %  
Static pressure: 983 hPa

Freq. (Hz)	R 1/3 okt. (dB)
100	39,6
125	38,7
160	38,9
200	39,5
250	40,3
315	45,4
400	46,7
500	47,4
630	49,5
800	50,2
1000	50,5
1250	50,7
1600	51,5
2000	54,9
2500	56,8
3150	58,8
4000	61,8
5000	63,7

Rating according EN ISO 717-1

**R<sub>w</sub> (C; C<sub>tr</sub>) = 51 (-1; -4) dB**

C<sub>100-5000</sub> = 0 dB, C<sub>tr100-5000</sub> = -4 dB



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Date: 08.08.2012

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