

# Sound reduction according to EN ISO 10140-2

Laboratory measurement of airborne sound insulation of building elements

Reg. No.:  
91/12

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

Product: Insulating glass unit

Sample description: insulating glass unit, dimensions 1200 x 1500 mm.  
Structure:  
– float glass 10 mm,  
– aluminium spacer 16 mm, argon,  
– laminated glass VSG (Float 6mm/ 0,76 Akustic/ Float 6mm) 12,8 mm.

Weight of the sample: 103 kg, mass per unit area: 57,2 kg/m<sup>2</sup>.  
Sample No.: 59/A/12.

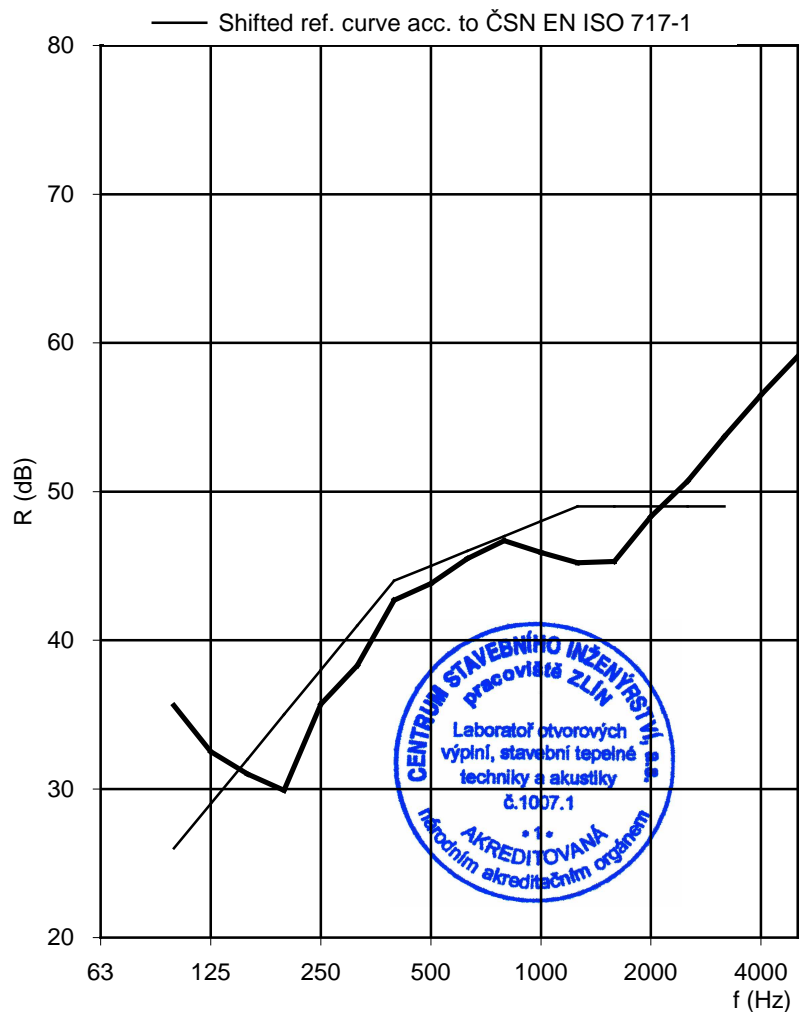
Conditions of the test  
Area of test element: 1,8 m<sup>2</sup>  
Source room volume: 90 m<sup>3</sup>  
Receiving room volume: 70 m<sup>3</sup>

Test date: 11.04.2012  
Air temperature: 23 °C  
Relative humidity: 38 %  
Static pressure: 971 hPa

Freq. (Hz)	R 1/3 okt. (dB)
100	35,6
125	32,5
160	31,0
200	29,9
250	35,7
315	38,3
400	42,7
500	43,8
630	45,5
800	46,7
1000	45,9
1250	45,2
1600	45,3
2000	48,3
2500	50,7
3150	53,7
4000	56,5
5000	59,1

Rating according EN ISO 717-1  
**R<sub>w</sub> (C; C<sub>tr</sub>) = 45 (-1; -4) dB**

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



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Date: 21.05.2012

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