

# Sound reduction according to EN ISO 10140-2

Laboratory measurement of airborne sound insulation of building elements

Reg. No.:  
93/12

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:  
– laminated glass VSG (Float 8mm/ 0,76 Akustic/ Float 8mm) 16,8 mm,  
– aluminium spacer 16 mm, argon,  
– laminated glass VSG (Float 6mm/ 0,76 Akustic/ Float 6mm) 12,8 mm.

Weight of the sample: 133 kg, mass per unit area: 73,9 kg/m<sup>2</sup>.  
Sample No.: 60/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>

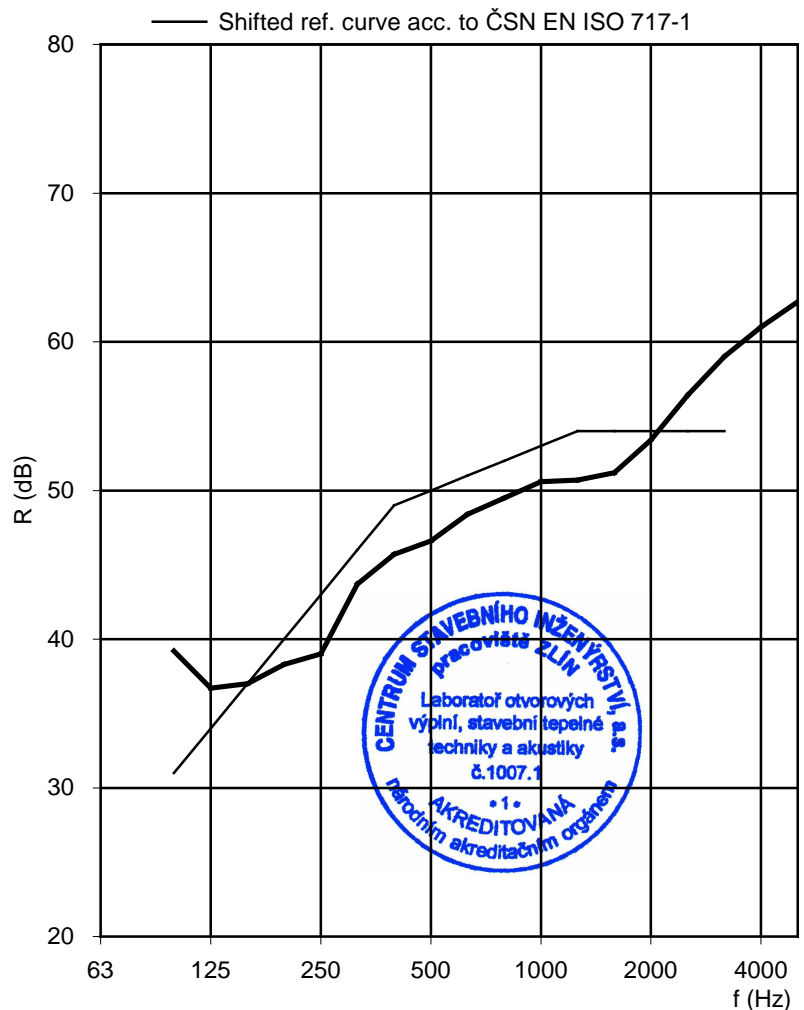
Test date: 13.04.2012  
Air temperature: 23 °C  
Relative humidity: 47 %  
Static pressure: 977 hPa

Freq. (Hz)	R 1/3 okt. (dB)
100	39,2
125	36,7
160	37,0
200	38,3
250	39,0
315	43,7
400	45,7
500	46,6
630	48,4
800	49,5
1000	50,6
1250	50,7
1600	51,2
2000	53,4
2500	56,4
3150	59,0
4000	61,0
5000	62,7

Rating according EN ISO 717-1

**R<sub>w</sub> (C; C<sub>tr</sub>) = 50 (-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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