

Sound reduction according to EN ISO 10140-2

Laboratory measurement of airborne sound insulation of building elements

Reg. No.:
92/12

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 20 mm, argon,
– laminated glass VSG (Float 5mm/ 0,76 Akustic/ Float 5mm) 10,8 mm.

Weight of the sample: 93 kg, mass per unit area: 51,7 kg/m².
Sample No.: 60/A/12.

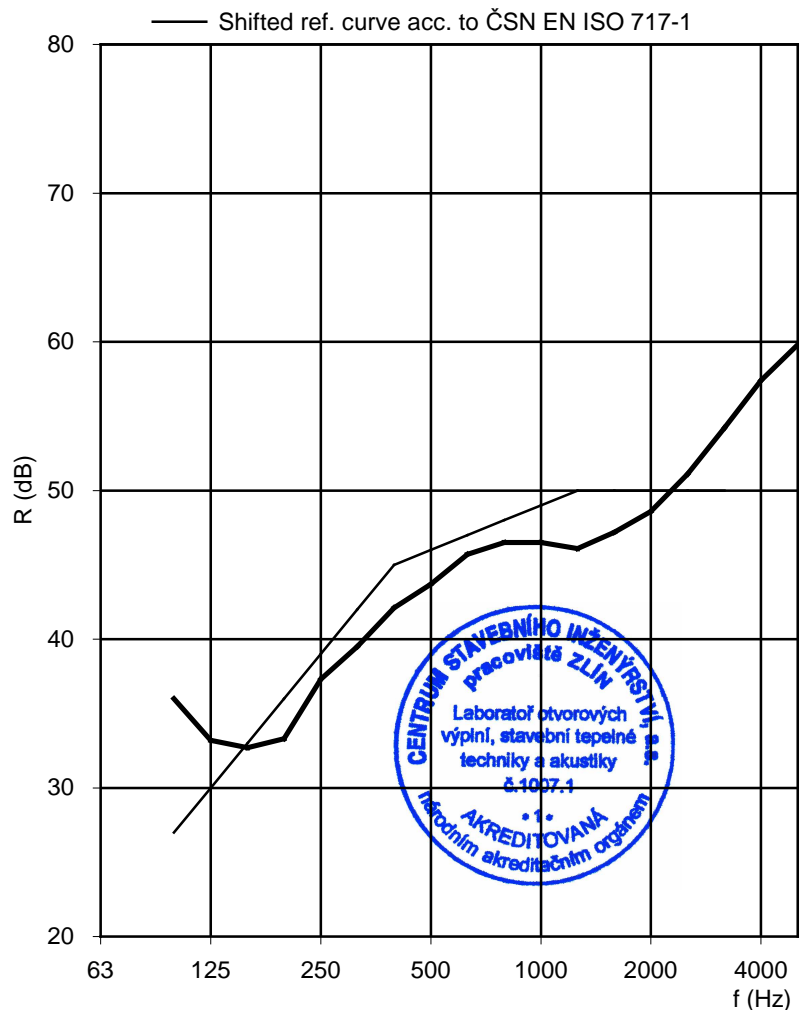
Conditions of the test
Area of test element: 1,8 m²
Source room volume: 90 m³
Receiving room volume: 70 m³

Test date: 12.04.2012
Air temperature: 23 °C
Relative humidity: 45 %
Static pressure: 972 hPa

| Freq. (Hz) | R 1/3 okt. (dB) |
|------------|-----------------------|
| 100 | 36,0 |
| 125 | 33,2 |
| 160 | 32,7 |
| 200 | 33,3 |
| 250 | 37,3 |
| 315 | 39,5 |
| 400 | 42,1 |
| 500 | 43,7 |
| 630 | 45,7 |
| 800 | 46,5 |
| 1000 | 46,5 |
| 1250 | 46,1 |
| 1600 | 47,2 |
| 2000 | 48,6 |
| 2500 | 51,1 |
| 3150 | 54,2 |
| 4000 | 57,4 |
| 5000 | 59,8 |

Rating according EN ISO 717-1
 $R_w (C; C_{tr}) = 46 (-1; -4) \text{ dB}$

$C_{100-5000} = 0 \text{ dB}, C_{tr100-5000} = -4 \text{ dB}$



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Date: 21.05.2012

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