

Sound reduction according to EN ISO 10140-2

Laboratory measurement of airborne sound insulation of building elements

Reg. No.:
79/18

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

Product: insulating triple glass unit

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

Structure:

- Float 8 mm,
- aluminium spacer 16 mm, argon,
- Float 6 mm,
- aluminium spacer 16 mm, argon,
- laminated glass 55.2 Phon.

Weight of the sample: 109 kg, mass per unit area: 60,6 kg/m².

Sample No.: 50/A/18.

Conditions of the test

Area of test sample: 1,8 m²
Source room volume: 90 m³
Receiving room volume: 70 m³

Test date: 09.05.2018

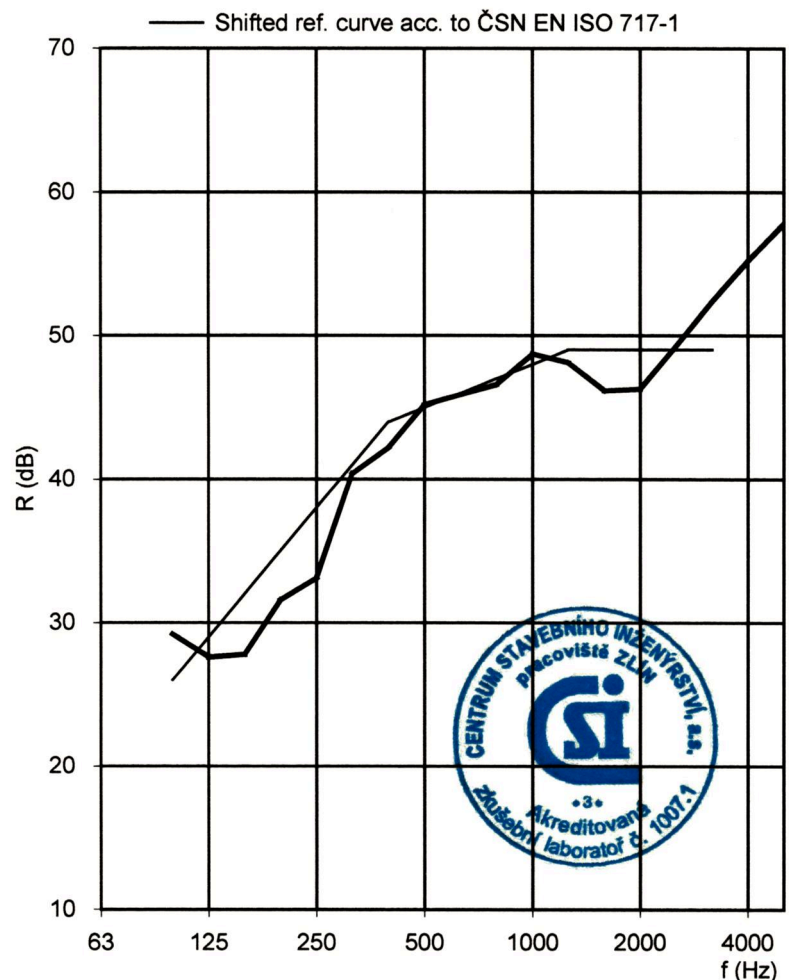
Air temperature: 22 °C

Relative humidity: 58 %

Static pressure: 980 hPa

Freq. (Hz)	R 1/3 okt. (dB)
100	29,2
125	27,6
160	27,8
200	31,6
250	33,1
315	40,4
400	42,2
500	45,2
630	45,9
800	46,6
1000	48,7
1250	48,1
1600	46,2
2000	46,3
2500	49,3
3150	52,4
4000	55,2
5000	57,8

Rating according EN ISO 717-1

 $R_w (C; C_{tr}) = 45 (-2; -5) \text{ dB}$ $C_{100-5000} = -1 \text{ dB}, C_{tr100-5000} = -5 \text{ dB}$ 

Centrum stavebního inženýrství a.s.
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Date: 11.05.2018

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Head of laboratory