

Sound reduction according to EN ISO 10140-2

Laboratory measurement of airborne sound insulation of building elements

Reg. No.:
80/18

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

Weight of the sample: 118 kg, mass per unit area: 65,6 kg/m².

Sample No.: 51/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

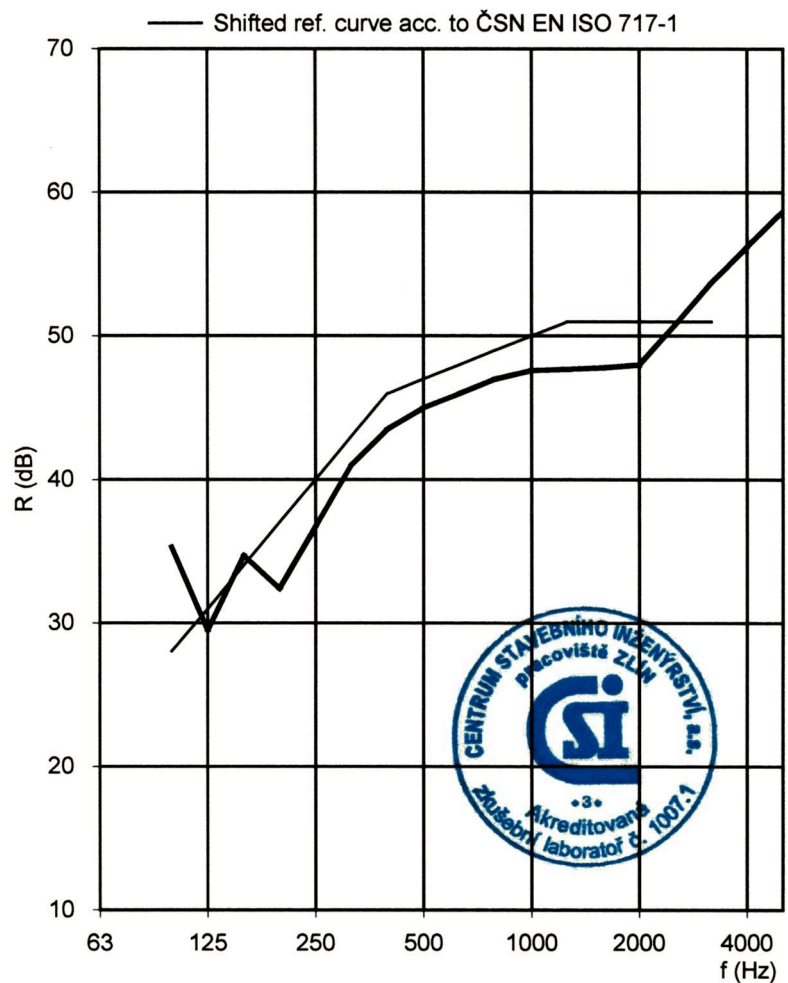
Air temperature: 22 °C

Relative humidity: 58 %

Static pressure: 980 hPa

Freq. (Hz)	R 1/3 okt. (dB)
100	35,3
125	29,5
160	34,7
200	32,4
250	36,7
315	41,0
400	43,5
500	45,0
630	46,0
800	47,0
1000	47,6
1250	47,7
1600	47,8
2000	48,0
2500	50,8
3150	53,7
4000	56,2
5000	58,7

Rating according EN ISO 717-1

 $R_w (C; C_{tr}) = 47 (-2; -5) \text{ dB}$ $C_{100-5000} = -1 \text{ dB}, C_{tr100-5000} = -5 \text{ dB}$ 

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Date: 11.05.2018

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Head of laboratory