

Sound reduction according to EN ISO 10140-2

Laboratory measurement of airborne sound insulation of building elements

Reg. No.:
81/18

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 kl.P2A.

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

Sample No.: 52/A/13.

Conditions of the test

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

Test date: 10.05.2018

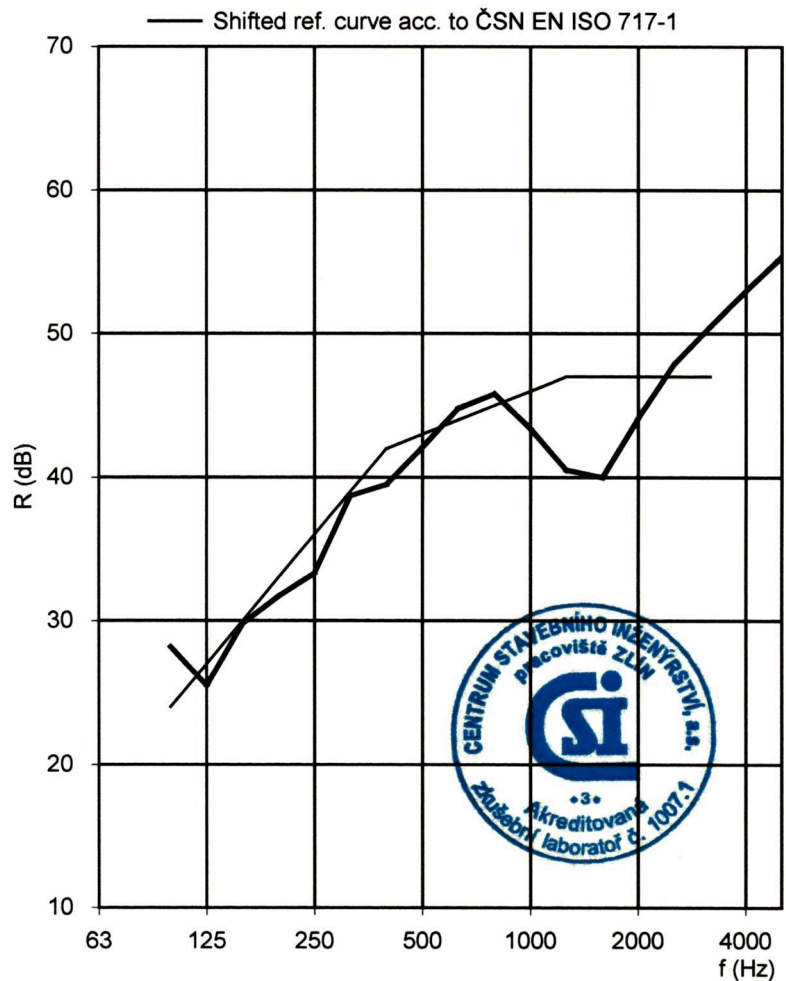
Air temperature: 22 °C

Relative humidity: 56 %

Static pressure: 982 hPa

Freq. (Hz)	R 1/3 okt. (dB)
100	28,2
125	25,5
160	29,8
200	31,7
250	33,3
315	38,7
400	39,5
500	42,1
630	44,8
800	45,8
1000	43,4
1250	40,5
1600	40,0
2000	44,1
2500	47,9
3150	50,5
4000	53,0
5000	55,4

Rating according EN ISO 717-1
 $R_w (C; C_{tr}) = 43 (-2; -5) \text{ dB}$

 $C_{100-5000} = -1 \text{ dB}$, $C_{tr100-5000} = -5 \text{ dB}$ 

Centrum stavebního inženýrství a.s.
pracoviště Zlín

Date: 11.05.2018

Ing. Miroslav Figalla
Head of laboratory