

# Evidence of Performance

## Airborne sound insulation of building elements

Test report 163 42018/1e

This is a translation of the test report 163 42018/1 of 11<sup>th</sup> December 2009.



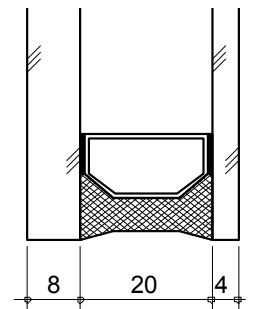
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### Basis

EN ISO 140-1:1997+A1:2004  
EN 20140-3 :1995+A1:2004  
EN ISO 717-1 : 1996+A1:2006

### Representation



Product	Insulating glass unit
Designation	Float 8mm+20+Thermofloat 4mm Ar
Size (w x h)	1230 mm x 1480 mm
Construction	8/20/4
Gas filling	Argon
Area related weight	29,7 kg/m <sup>2</sup>
Special items	-/-

### Informations for use

This test report may be used to validate the sound insulation of a building element.

Validity for germany:

R<sub>w</sub> corresponds to R<sub>w,P</sub> for DIN 4109 Annex 1 table 40.

Weighted sound reduction index R<sub>w</sub>  
Spectrum adaptation terms C and C<sub>tr</sub>



$$R_w (C; C_{tr}) = 37 (-2; -6) \text{ dB}$$

### Validity

The data and results given relate solely to the described, tested object.

Testing the acoustic properties does not allow any statement to be made on further characteristics of the present structure which could define performance and quality.

### Notes on publication

The ift Guidance Sheet "Conditions and Guidance for the use of ift Test Documents" applies.

The cover sheet can be used as a summary.

### Contents

This test report includes 6 pages

- 1 Test specimen
  - 2 Test procedure
  - 3 Test results
  - 4 Instructions for use
- Data sheet (1 page)

ift Rosenheim  
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