

Evidence of performance

Airbourne sound insulation of building elements



Test report 161 36648/V02e*)

*) This is a translation of the test report No. 161 36648/V020 dated 09 September 2008

Client **ALUMINCO S.A.**
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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	Single window, double leaf with overlapping casement (Casement door)
System designation	SYSTEM 520
Size (W x H)	1405 mm x 2209 mm
Material	Aluminiumprofile with thermal break
Opening	Turn
Rebate sealings	1 rebate seal, 1 central seal, 1 overlap seal
Filling	Insulating glass unit , construction: 6LSG/10/6interlayer: 0,38 mm Foil
Special features	-/-

Instructions for use

This test report may be used to classify the sound insulation of building elements.

For germany DIN 4109:1989-11 is valid:

- R_w is equivalent to $R_{w,P}$,
 $R_{w,R} = R_{w,P} - 2$ dB
- $R_{w,R}$ for „Bauregelliste“

Validity

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

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

Weighted sound reduction index R_w
Spectrum adaptation terms C and C_{tr}



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

Notes on publication

The **ift** notice "Conditions and notes for the use of **ift** test documents" applies.

The cover sheet can be used as a summary.

Contents

The report comprises a total of 9 pages

- 1 Object
 - 2 Procedure
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- Data sheet (1 page)

ift Rosenheim
10. October 2008

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Anerkannte PUZ-Stelle: BAY 18

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für Eignungs- und Güteprüfung DIN 4109