Evidence of Performance

Airborne sound insulation of building elements

Test Report 162 41420/ Z3e

This test report is a translation of Test Report 162 41420/Z3 dated 1 October 2009

ROSENHEIM

Client **ALUMINCO S.A.**
Megali Rahi

32011 INOFITA VIOTIAS
Greece

Product	framed door, single leaf
System designation	KA590-101
Coordinating dimensions (W × H)	1,000 mm × 2,125 mm
Profile	thermal break aluminium profile
Door leaf	framed door with infill panel thickness panel 29 mm
frame	door frame (framing member)
Area related mass	23.3 kg/m²
Seals	1 door rebate seal (three-sided), 1 frame rebate seal (three-sided) , 3 floor seals with threshold
Special features	-/-

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

$$R_w\,(C;\,C_{tr}) = 31\ \ (-1;\,-1)\ \text{dB}$$

Basis

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

Representation

Instructions for use

This test report serves to demonstrate the sound insulation of a building element.

Applicable for Germany:

- $R_{w,R}$ as per DIN 4109: (R_w corresponds to $R_{w,P}$, $R_{w,R} = R_{w,P} - 5$ dB)
- $R_{w,R}$ for "Bauregelliste" (Construction Products List)

Validity

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

Testing the sound insulation does not allow any statement to be made on further characteristics of the present structure regarding 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 abstract.

Contents

The test report contains a total of 9 pages:

1 Object
2 Procedure
3 Detailed results
4 Instructions for use
Data sheet (1 page)

ift Rosenheim
8 October 2009

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