

Evidence of Performance

Airborne sound insulation of building components

Test Report

No. 15-000659-PR05
(PB Z01-A01-04-en-01)



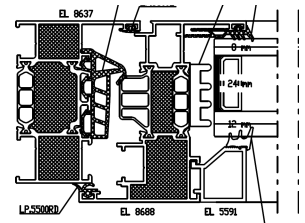
Client ELVIAL S.A. Aluminium Extrusion
25th Km national road
Thessaloniki
61100 Kilkis
Greece

Basis

EN ISO 10140-1: 2010
+A1: 2012 + A2:2014
EN ISO 10140-2: 2010
EN ISO 717-1: 2013

ASTM E 90-09
ASTM E 413-10
ASTM E 1332-10°

Representation



Product	Casement door, single leaf
Designation	Xclusive 85/86
Overall Dimensions (w x h)	990 mm x 2,110 mm
Material	Aluminium composite profiles, thermal break
Type of opening	Tilt and turn
Rebate seals	1 external seal, 1 central seal, 1 internal seal Insulating glass unit
Filling	12 LSG acoustic/24/8 LSG acoustic
Special features	-/-

Instructions for use

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

Applicable for Germany

- $R_{w,R}$ as per DIN 4109:
(R_w corresponds to $R_{w,P}$,
 $R_{w,R} = R_{w,P} - 2$ dB)

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 any further characteristics of the present construction 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 an abstract.

Contents

The test report contains a total of 12 pages:

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

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



$$R_w (C; C_{tr}) = 43 (-2; -5) \text{ dB}$$

ift Rosenheim

12.10.2015

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