Evidence of performance
Airborne sound insulation of building components

Test report
No. 15-000658-PR03
(PB Z01-A01-04-en-02)

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

Product	Lifting-Sliding door with fixed light
Designation	EL6800 Optimum

Overall dimensions (b × h)	2660 mm × 2500 mm
Material	Thermal break aluminium profiles
Type of opening	parallel lift and slide/fixed light
Rebate seals	2 planes of sealing on top, on lock side and at bottom, 2 stop seals and 4 brush seals in middle section
Filling	Insulating glass unit, Configuration: 12LSG/20/8LSG, Filling in cavity: Air, laminated glass with acoustic film
Special features	

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

$$R_w (C; C_{tr}) = 41 \, (-1; -4) \text{ dB}$$

ift Rosenheim
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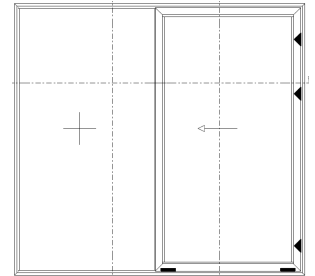Operating Testing Officer
Building Acoustics

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°

Replaces test report
15-000658-PR03 (PB Z01-04-en-01) dated 07-09-2015

Representation

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)
- $R_{w,R}$ for "Bauregelliste"

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 abstract.

Contents

The test report contains a total of 10 pages:

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