Evidence of Performance

Air permeability, Watertightness, Resistance to wind load

Test Report
No. 15-002949-PR04
(PB-A01-02-en-02)

Client	EXALCO S.A. 5th Km of National Road Larisa-Athens 41110 Larisa Greece
Product	Sliding door with fixed sidelight
Designation	System designation: ORAMA OMEGA
Performance-relevant product details	Material: Aluminium profiles with thermal break
Overall dimensions (W x H)	3,600 mm x 2,400 mm (without drainage base)
Special features	The durability of the materials used must be taken into account. Increased operating forces.

Results

Air permeability according to EN 12207:1999-11

Class 4

Watertightness according to EN 12208:1999-11

Class 8A

Resistance to wind load
according to EN 12210:1999-11/AC:2002-08

Class C5 / B5

ift Rosenheim
18.12.2015

Thomas Stefan, Dipl.-Ing. (FH)
Head of Testing Department
Construction Product Testing

Andreas Graf, MSc, Dipl.-Ing. (FH)
Deputy Head of Testing Department
Construction Product Testing

Basis

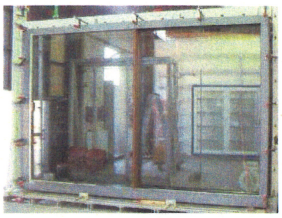
EN 14351-1:2006+A1:2010

Test standard/s:
EN 1026:2000-06
EN 1027:2000-06
EN 12211:2000-06
Correspond/s to the national standard/s (e.g. DIN EN)

Replaces Test Report

15-002949-PR04 (PB-A01-02-en-01) dated 27.11.2015

Representation



Instructions for use

The manufacturer is allowed to use the results obtained for preparing a Declaration of Performance in accordance with the Construction Products Regulation 305/2011/EC. Observe the specifications set out by the applicable product standard.

Validity

The data and results refer solely to the tested and described specimen. Classification remains valid as long as the product and the above basis remain unchanged. The results can be extrapolated under the manufacturer's own liability subject to observance of the relevant specifications set out by the applicable product standard. This test/evaluation does not allow any statement to be made on any further characteristics regarding performance and quality of the construction presented; in particular the effects of weathering and ageing were not taken into account.

Notes on publication

The **ift**-Guidance Sheet "Advertising with ift test documents" applies.

The report contains a total of 49 pages.

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Evidence of Performance

Burglar resistance

Test Report
Nr. 16-000109-PR01

(PB-A01-05-en-01)

ROSENHEIM

Client	ORAMA LTD German Road 20300 Loutraki Greece
Product	Burglar resistant sliding window RC2
Designation	ORAMA Omicron
Overall dimensions (W x H)	2250 mm x 2250 mm
(Frame) Material, System	Aluminium profiles with thermal break
Attack side	Outside of building
Type of opening	Slide
Glazing	P6B as per EN 356
Hardware	1083 set / Orama Omicron Sliding system with 2 bogies, 2 locks and lockable handle
Installation	As set out in the installation manual by the client Orama LTD
Special features	-/-

Burglar resistance

RC 2 / RC 2 N

ift Rosenheim
09.08.2016

Konrad Querengässer, Dipl.-Ing. (FH)
Head of Testing Department
Security/Safety Testing

Florian Willer, Dipl.-Ing. (FH)
operating testing officer
Security/Safety Testing

Basis

DIN EN 1627 : 2011
Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance – Requirements and classification
DIN EN 1628 : 2011
DIN EN 1629 : 2011
DIN EN 1630 : 2011

Representation

Instructions for use

This test report serves to demonstrate the burglar resistance

Validity

The data and results refer solely to the tested and described specimen. The burglar resistance test does not allow any statement to be made on any further characteristics of the present structure regarding performance and quality.

In deviation from the tested design the following size modifications are permitted:
in width +10% and –20%
in height +10% and –20%

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 report contains a total of 44 pages

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Evidence of performance

Airborne sound insulation of building components

Test report
no. 16-002754-PR02
(PB Z01-A01-04-en-01)

ift ROSENHEIM

Client	**ORAMA MINIMAL FRAMES LTD** German Road 20300 Loutraki Greece
Product	Sliding door, single leaf with fixed glazed sidelight, Scheme A sliding door, two part
Designation	ORAMA OMEGA
Dimension	2650 mm × 2485 mm
Frame material	aluminium profiles with thermal break
Type of opening	Sliding sash/fixed sash
Rebate seals	4 sealing levels on sides and on top, 2 sealing levels at bottom and in central joint
Glazing	Insulating glass unit, Configuration: 10LSG/32/10LSG, Cavity with Argon, Laminated glass with acoustic film
Special features	-

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

$$R_w\ (C;\ C_{tr}) = 46\ (-1;\ -5)\ \text{dB}$$

ift Rosenheim
01.02.2017

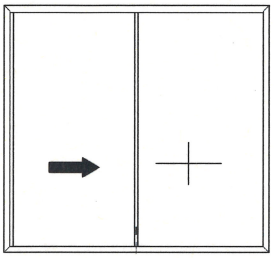
Dr. Joachim Hessinger, Dipl.-Phys.
Head of Testing Department
Building Acoustics

Johann Baume, Dipl.-Ing. (FH)
Operating Testing Officer
Building Acoustics

Basis

EN ISO 10140-1: 2016
EN ISO 10140-2: 2010
EN ISO 717-1: 2013

Representation



Instructions for use

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

The weighted sound reduction index R_w can be used for verification by calculation in accordance with DIN 4109-2:2016.

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 construction submitted 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 11 pages:

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ZERTIFIKAT

Minimal-Fenster

MINERGIE®- Schiebetüre

Der Firma	**Ernst Schweizer AG** **Bahnhofplatz 11, 8908 Hedingen**
Material:	Aluminium thermisch getrennt
Glasflächenanteil:	90.1 %
Verglasung:	3-fach Isolierglas, Stärke: 50 mm, U_g-Wert 0.70 W/m²K
Randverbund:	Super Spacer TriSeal Premium
U_w-Wert	**≤ 1.0 W/m²K**

Diese Fensterkonstruktion erfüllt den **MINERGIE®-Standard**, der von Kantonen, Bund und Wirtschaft getragen wird.

Code Nr. 529.18

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Olten, 03.01.2018
Schweizerische Zentrale
Fenster und Fassaden SZFF

Fabio Rea
Geschäftsführer

Bachenbülach, 03.01.2018
Schweizerischer Fachverband Fenster- und Fassadenbranche FFF

Beat Rudin
Geschäftsführer

www.minergie.ch

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