

Evidence of Performance

Airborne sound insulation of building components

Test Report
No. 13-004101-PR01
(PB Z1-A01-04-en-01)



Client
EXALCO S.A.
5th Km of National Road
Larisa-Athens
41110 Larisa
Greece

Basis
EN ISO 10140-1 : 2010
+A1:2012
EN ISO 10140-2 : 2010
EN ISO 717-1 : 2013
Test report 13-004101-PR01
(PB Z1-A01-04-de-01) dated
27.1.2014

Product	Single window, one leaf
Designation	ALBIO 125C
Overall Dimensions (w x h)	1,230 mm x 1,480 mm
Material	Aluminium, thermal break: polyamide
Type of opening	Tilt and turn
Rebate seals	1 external seal, 1 central seal, 1 internal seal
Filling	Insulating glass unit, 6 LSG/16/10 LSG Drainage and Ventilation of window rebate not exist. The glazing rebate in casement member was not equipped with a vapour pressure equalization.
Special features	

Representation



Instructions for use

This test report serves to demonstrate the 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)

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



$$R_w (C; C_{tr}) = 40 (-3;-7) \text{ dB}$$

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 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
03.02.2014

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

Till Stübgen, Dipl.-Ing. (FH)
Operating Testing Officer
Building Acoustics