

Evidence of Performance

Airborne sound insulation of building components



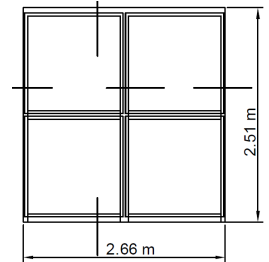
Test report
No. 14-001123-PR01
(PB Z02-B01-04-en-01)

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 no. 14-001123-PR01 (PB Z02-B01-04-de-01)
dated 13.05.2014

Representation



Product	Stick system façade with fixed windows as insert units, four part
Designation	ALBIO 102
dimension	External dimension (w × h): 2660 mm × 2510 mm
Frame material	Stick system facade construction made of aluminium profiles
Type of opening	fixed light
Glazing	Insulating glass unit, 10LSG/12/5, Gas filling: air, Laminated glass with PVB-film
Area related mass	43 kg/m ²
Special features	-

Instructions for use

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

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)

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



$$R_w (C; C_{tr}) = 37 (-1; -3) \text{ dB}$$

ift Rosenheim
13.05.2014

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

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