

Evidence of Performance

Airborne sound insulation of building elements



Test report 164 36647/Z2e

This test report is a translation of test report 164 36647/Z2
dated 29.July 2008

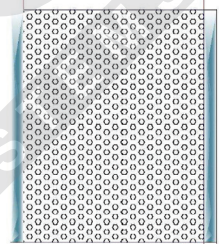
Client **ALUMINCO S.A.**
Megali Rahi

32011 INOFITA VIOTIAS
Greece

Technical basis

EN ISO 140-1:1997+A1:2004
EN 20140-3 :1995+A1:2004
EN ISO 717-1 : 1996+A1:2006

Representation



Product	External pedestrian door panel
System designation	P6253 panel
Outside dimension (w × h)	900 mm × 2110 mm
Panel structure	1.4 mm Aluminium sheet, 20 mm XPS foam 1.4 mm Aluminium sheet
Weight per unit area	11.4 kg/m ²
Special features	2 add-on infill panels and three transparent infill panels

Instructions for use

This test report may be used to classify the sound insulation of building elements.

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 further characteristics of the present structure 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 7 pages

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

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



$$R_w (C; C_{tr}) = 28 (-1; -3) \text{ dB}$$

ift Rosenheim
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J. Heminger
Dr. Joachim Hessinger, Dipl.-Phys.
Head of Testing Department

ift Centre for Acoustics

Bernd Saß
Bernd Saß, Dipl.-Ing. (FH)
Assistant Head of Testing Department
ift Centre for Acoustics



LSW - Labor für Schall- und Wärmemesstechnik GmbH
- das Schallschutzprüfzentrum des ift Rosenheim

Geschäftsführer:
Dr. Jochen Peichl
Ulrich Sieberath

Lackermannweg 26
D-83071 Stephanskirchen

Tel. +49 (0)8036/3006-0
Fax: +49 (0)8036/3006-33
www.lsw-gmbh.de

Sitz: 83026 Rosenheim
AG Traunstein, HRB 14821

Sparkasse Rosenheim
Kto. 500 434 626
BLZ 711 500 00

Notified Body Nr.: 0757
Anerkannte PÜZ-Stelle: BAY 18

Sachverständige Prüfstelle Gruppe I
für Eignungs- und Güteprüfung DIN 4109