# Evidence of Performance

## Airborne sound insulation of building elements

### Test report 164 36647/Z1e

This test report is a translation of test report 164 36647/Z1 dated 29.July 2008

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

32011 INOFITA VIOTIAS
Greece

| | |
|---|---|
| Product | External pedestrian door panel |
| System designation | P103 panel |
| Outside dimension (w × h) | 900 mm × 2110 mm |
| Panel structure | 1.4 mm Aluminium sheet,<br>20 mm XPS foam<br>1.4 mm Aluminium sheet |
| Weight per unit area | 12.4 kg / m² |
| Special features | 2 add-on infill panels |

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

$$R_w\ (C;\ C_{tr}) = 29\ (-1;-3)\ \text{dB}$$

**ift** Rosenheim
01. October 2008

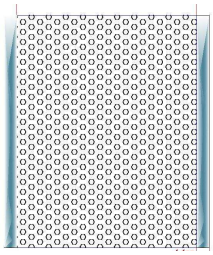
Dr. Joachim Hessinger, Dipl.-Phys.
Head of Testing Department
ift Centre for Acoustics

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

**Technical basis**

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

**Representation**



**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






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
DAP-PL-0808.99
Sachverständige Prüfstelle Gruppe I
für Eignungs- und Güteprüfung DIN 4109