

Evidence of Performance

Thermal transmittance

Test Report 422 33518e*

* Translation of Test Report 422 33518 dated 9 July 2007

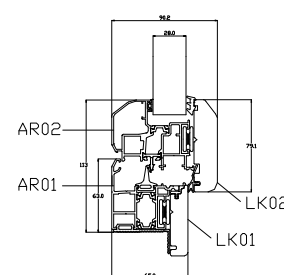


Client	AEB Frames S.p.A. Zona Ind.le Campo alla Croce 57023 Venturina/LI Italy
Product	Thermal break metal profiles, profile combination: Casement -frame / Casement-glazing bar-casement / Casement-glazing bar / Casement-overlap Profile section: frame / glazing bar
Designation	AEB Thermic
Installation depth	Frame: approx. 65 - 70 mm Casement: approx. 90 mm Glazing bar: approx. 56 / 72 mm
Projected width	variable
Material	Aluminium profile with thermal barrier
Surface treatment	Powder-coated / anodised Type: continuous bars Material: polyamide 6.6 reinforced with 25 % glass fibre Metal surfaces of thermal break: slightly oxidised surfaces, e.g. cavities following surface treatment by immersion Internal section: Hardwood
Thermal break / thermal barrier	Thickness: 29 / 35 mm
Infill panel	Installation depth: 15 mm
Special features	-

Basis

EN ISO 10077-2 : 2003-10
Thermal performance of windows, doors and shutters - Calculation of thermal transmittance - Part 2: Numerical method for frames

Representation



Profile section 1

Instructions for use

This test report serves to demonstrate the thermal transmittance U_f .

Validity

The data and results given refer solely to the described and tested specimen.

Testing the thermal transmittance 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 report comprises a total of 13 pages.
1 Object
2 Procedure
3 Detailed results

Thermal transmittance



$$U_f = 2.1 - 2.9 \text{ W}/(\text{m}^2 \cdot \text{K})$$

The specified range of values refers to the profile combinations listed in Annex 1 of this report.



ift Rosenheim
21 August 2007

Konrad Huber

Konrad Huber, Dipl.-Ing. (FH)
Assistant Head of Testing Department Thermal Insulation
ift Centre Glass, Building Materials & Building Physics

Klaus Specht

Klaus Specht, Dipl.-Ing. (FH)
Test Engineer
ift Centre Glass, Building Materials & Building Physics



ift Rosenheim GmbH
Geschäftsführer:
Dipl.-Ing. (FH) Ulrich Sieberath
Dr. Jochen Peichl

Theodor-Giell-Str. 7 - 9
D-83026 Rosenheim
Tel.: +49 (0)8031/261-0
Fax: +49 (0)8031/261-290
www.ift-rosenheim.de

Sitz: 83026 Rosenheim
AG Traunstein, HRB 14763
Sparkasse Rosenheim
Kto. 3822
BLZ 711 500 00

Notified Body Nr.: 0757
Anerkannte PUZ-Stelle: BAY 18
DAP-PL-0808 99
DAP-ZE-2288 00
TGA-ZM-16-93-00
TGA-ZM-16-93-60