Evidence of Performance

Energy efficiency and thermal insulation

Test report 432 29876/1e*

* Translation of Test Report 432 29876/1 dated 10 May 2005

Client	**ALUMIL - MILONAS** **ALUMINIUM INDUSTRY S. A.** Industrial Area 61100 KILKIS GREECE
Product	Fixed systems: Frame / transom Movable systems: sash-frame-transom combination
Designation	M 11000 ALUTHERM PLUS
Dimensions of cross section	Depth of frame / transom 62.5 mm Depth of sash 70 mm
Projected width:	Variable projected width
Material Surface	Thermal break aluminium profile, coated
Type and material of thermal break	Continuous polythermide bars, Polyamide 6.6 with 25 % glass fibre slightly oxidised surfaces, e.g. cavities following surface treatment by immersion
Special features	-/-

Basis

ift Guideline WA-01/1 (February 2002) „Verfahren zur Ermittlung von U_f-Werten für thermisch getrennte Metallprofile aus Fenstersystemen (Determination of the U_f-values of thermal break metal profiles used in window systems)

EN ISO 10077-2 : 2003-10 Calculation of thermal transmittance U_f Numerical method for frames.

Equivalent to the national versions DIN EN ISO as well as DIN EN.

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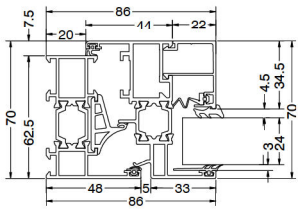
Representation

see Annex 1



Thermal transmittance

$$U_f = 2.3 – 2.9 \text{ W/(m}^2 \cdot \text{K)} *$$

* The specified range of values refers to the profile combinations listed in tables 4 and 5 of this report. The U_f-values for additional profile combinations of the system are determined using the linear regression in accordance with table 6.

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08 May 2007

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Instructions for use

This test report serves to demonstrate the thermal transmittance U_f of the tested profile system.

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 12 page.

1 Object
2 Procedure
3 Detailed results
Annex 1 (4 pages)

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