

# Evidence of Performance

## Energy efficiency and thermal insulation

Test report 432 27536/1e\*

\* Translation of Test Report 432 27536/1 dated 21 January 2004



Client **ALUMIL - MILONAS**  
**ALUMINIUM INDUSTRY S. A.**  
Industrial Area

61100 KILKIS  
GREECE

Product	Thermal break metal profiles used in façade systems
Designation	M6 SOLAR STANDARD PLUS
Dimensions of section	55 mm x 81 to 262 mm
Material	Thermal break aluminium profile Structural profile powder-coated, Support plates plate finish, untreated
Type and material of thermal break	Continuous isolator in PVC, with screws at 250 mm spacing
Special features	-/-

### Basis

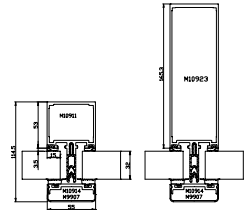
ift Guideline WA-03/2 (2003)  
"Verfahren zur Ermittlung von  $U_f$ -  
Werten für thermisch getrennte  
Metallprofile aus Fassaden-  
systemen" (Determination of the  
 $U_f$ -values of thermal break metal  
profiles used in façade systems)  
EN ISO 10077-2 : 200310  
Calculation of thermal transmit-  
tance – Numerical method for  
frames

EN 12412-2 : 2003-07  
Determination of thermal trans-  
mittance by hot box method Part  
12412-2: Frames  
Corresponds to the national ver-  
sions DIN EN ISO and DIN EN.

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### Representation

See Annex 2



### Thermal transmittance



$$U_f = 1.5 - 3.3 \text{ W/(m}^2 \cdot \text{K)} *$$

- \* The specified range of values refers to the profile combinations listed in table 7 and 8 of this report. The  $U_f$ -values of additional profile combinations of the system are determined using the linear regressions in accordance with table 9 and 10.



ift Rosenheim  
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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 relate  
solely to the tested and described  
profile system.

Determination of thermal  
transmittance does not allow any  
statement to be made on any  
further characteristics of the  
construction submitted 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 comprises a total  
of 23 pages.

- 1 Object
- 2 Procedure
- 3 Detailed results  
Annex 1 (2 pages)  
Annex 2 (7 pages)  
Annex 3 (1 pages)