

# Evidence of Performance

## Thermal transmittance

Test report 406 41420/1e\*

Translation of Test Report n° 406 41420/1 dated 29 October 2009



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

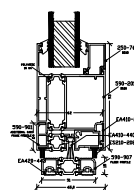
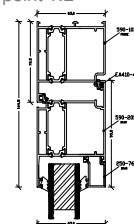
32011 INOFITA VIOTIAS  
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### Basis

EN ISO 12567-1 : 2000-09  
Thermal transmittance of windows and doors - Determination of thermal transmittance by hot box method – Part 1: Complete windows and doors

### Representation

Further cross section drawings see point 1.2



Product	Panel door, single-leaf
Designation	KA590-101
External dimension (W x H)	1000 mm x 2120 mm
(Frame) Material	Frame of aluminium / powder coated with thermal break
Type of opening	Side-hinged door Door leaf thickness: 32 mm Covering internal and external aluminium / 1.8 mm and Polycarbonate / 3.0 mm Inlay: extruded polystyrene foam (XPS), d = 22 mm
Door leaf / Infill	
Sill	Aluminium profile / powder coated, thermal break 1 Door rebate sealing made of EPDM (three-folded) 1 Frame rebate sealing made of EPDM (three-folded ) 3 Floor seal on threshold (internal and external each two brush seals and one centre seal made of EPDM)
Sealing	
Special features	--

### Instructions for use

This test report serves to demonstrate the thermal transmittance  $U_D$ .

### Validity

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

Testing thermal transmittance does not allow any statement to be made on any further characteristics relevant to performance and quality of the present construction.

### 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 contains a total of 11 pages.

- 1 Object
- 2 Procedure
- 3 Detailed results

### Thermal transmittance



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



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