

Evidence of Performance

Calculation of thermal transmittance



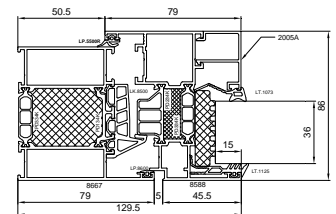
Test Report
No. 14-001048-PR01
 (PB-K20-06-en-01)

Client	ELVIAL S.A. Aluminium Extrusion 25th Km national road, Thessaloniki 61100 Kilkis Greece
Product	Thermal insulated metal profiles Profile combinations: frame, casement-frame, casement-overlap, casement-overlap-casement
Designation	System: Elvial XCLUSIVE 85/86
Performance-relevant product details	Material Aluminium alloy; Surface treatment painted / powder-coated / anodized; View width B in mm 79 – 164,5; Thermal break; Material Polyamide 6.6 with 25% glass fibre; Type of thermal break continuous bar / hollow chamber bar; Height of bars in mm 34; Distance of metal shells d in mm 29; Surface in thermal break untreated; Infill foam for thermal break; Material Polyurethane (PUR) foam "V-POR ECO 1622/3"; Thermal conductivity in W/(m K) 0,034; Infill foam for glazing rebate; Material Polyethylene foam; Replacement panel; Edge in mm 15; Thickness in mm 36
Special features	-

Basis *)
 EN ISO 10077-2:2012-02
 SG 06-verpflichtend
 NB-CPD/SG06/11/083 2011-09
 *) Correspond/s to the national standard/s (e.g. DIN EN)

Representation

Specimen 02



further specimens see Annex

Instructions for use

The results obtained can be used as evidence in accordance with the above basis.

Validity

The data and results given relate solely to the tested and described specimen. This test 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 document may only be published in full.

Contents

The report contains a total of 8 page/s und Anlagen (4 Seiten).

Results

Calculation of thermal transmittance according to
 EN ISO 10077-2:2012-02



$$U_f = 1,3 - 1,7 \text{ W}/(\text{m}^2\text{K})$$

ift Rosenheim
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Manuel Demel, M.BP. Dipl.-Ing. (FH)
 Deputy Head of Testing Department
 Thermal & Climate

Maurice Mayer, Dipl.-Ing. (FH)
 Operating Testing Officer
 Computerassisted Simulation