

Evidence of Performance

Calculation of thermal transmittance



Test Report
No. 14-002124-PR01
(PB-K20-06-en-01)

Client Tehnomarket d.o.o.
Skadarska 73
26000 Pancevo
Serbia

Basis *)
EN ISO 10077-2:2012-02

Product Thermal insulated metal profile with wood facing profile; Profile combination: casement-frame

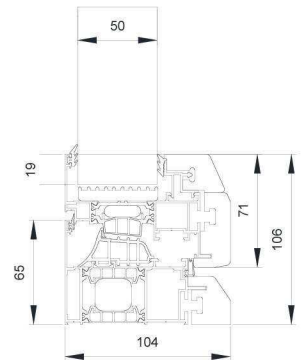
SG 06-verpflichtend
NB-CPD/SG06/11/083 2011-09

Designation System: Lineal W-Therm 104

*) Correspond/s to the national standard/s (e.g. DIN EN)

Performance-relevant product details Material Aluminium; Surface treatment powder coated or painted; Facing profile; Material Timber (700 kg/m³); View width B in mm 106; Thermal break; Material Polyamide 6.6 with 25% glass fibre; Type of thermal break Hollow chamber and solid bars; Height of bars in mm 39; Distance of metal shells in mm; 31 Inlay foam in thermal break and in glazing rebate; Material Polyethylene foam; Thermal conductivity in W/(mK) 0.045; Casement; Item number 806; Width in mm 70.5; Thickness in mm 104; Frame; Item number 706; Width in mm 65; Thickness in mm 104; Replacement panel (PK01); Thickness in mm 50; Glazing (PK02); Construction 6/18/4/18/4; thermal transmittance U_g in W/(m²K) 0,5 (declaration by client); Edge cover in mm 19; Spacer; System TGI-Spacer M; Material stainless Steel and plastic

Representation
Test specimen PK01



Further test specimen in the annex.

Special features -/-

Instructions for use

The present test report serves to demonstrate the thermal transmittance and the linear thermal transmittance.

Results

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



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

$$\Psi_g = 0,033 \text{ W/(m}^2\text{K)}$$

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.

ift Rosenheim
15.10.2014

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.

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Contents

The report contains a total of 7 page/s and annexe (2 pages).