Evidence of Performance
Calculation of thermal transmittance

Test Report
No. 16-004181-PR01
(PB-K20-06-en-01)

Client
ETEM COMMERCIAL AND INDUSTRIAL LIGHT METALS S.A.
1-4, Iroon Polytechniou Str.,
190 18 Magoula
Greece

Product
Thermal insulated metal profiles
Profile combinations: Casement-Frame

Designation: System: E68 H+ / H / S+ / S

Performance-relevant product details: Material Aluminium (SI-alloy); Surface treatment powder coated or painted; View width B in mm 107; Thermal break; Material Polyamide 6.6 with 25% glass fibre; Inlay foam in thermal break; Material rigid polyiso-cyanurate foam (PIR); Item number ET968200.00; Thermal conductivity in W/(mK) 0.034; Casement; Item numbers E68200 / E68205; Width in mm 75; Thickness in mm 77.5; Inlay foam in glazing rebate; Item numbers ET080 523.00 (PK01) / ET080681.00 (PK02 bis PK04); Material Polyethylene foam; Thermal conductivity in W/(mK) 0.045; Frame; Item number E68100; Width in mm 59; Thick-ness in mm 68; Insulating foam to the structure (back of the frame); Material Polyethylene foam; Item number ET080529.00; Thermal conductivity in W/(mK) 0.045; Replacement panel; Thickness in mm 36; Edge cover in mm 14.5

Special features: -/-

Results

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

U_f = 1.7 to 1.9 W/(m²K)

ift Rosenheim
19.05.2017

Konrad Huber, Dipl.-Ing. (FH)
Head of Testing Department
Building Physics

Till Stübben, Dipl.-Ing. (FH)
Operating Testing Officer
Building Physics

Basis *)

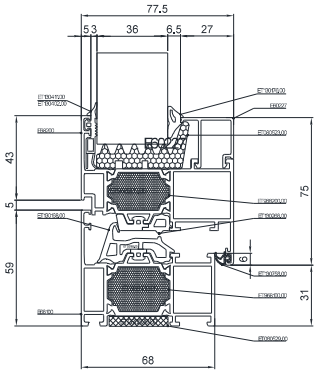
EN ISO 10077-2:2012-02

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

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

Representation

Test specimen PK01



Further drawings 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 7 page/s and annexe (4 pages).

ift Rosenheim GmbH
Theodor-Gietl-Str. 7-9
D-83026 Rosenheim

Kontakt
Tel. +49.8031.261-0
Fax +49.8031.261-290
www.ift-rosenheim.de