Evidence of Performance
Calculation of thermal transmittance

Test Report
No. 16-004140-PR01
(PB-K20-06-en-01)

ROSENHEIM

Client
ALUMINCO S.A.
Megali Rahi
32011 Inofita Viotias
Greece

Product
Thermal break metal profiles
Profile combinations: Casement-frame, casement-casement

Designation: FD-4600 FOLDING THERMO

Performance-relevant product details: Material Aluminium alloys; Surface treatment powder coated or painted; View width B in mm 110 to 213; Thermal break; Material Polyamide “Low Lambda PA 66 GF25”; Thermal conductivity W/(mK) 0.21; Surface in thermal break untreated; Casement; Item number 4600-201; Width in mm 65; Thickness in mm 73; Insulation bars; Thickness of bars in mm 1.8; Distance of metal shells d in mm 22; Inlay foam in glazing rebate Material “STYROFOAM LB-LC-A” Thermal conductivity W/(mK) 0.033; Frame; Item number 4600-101 / 4600-103 / 4600-104; Width in mm 35 to 55; Thickness in mm 73 to 80.5; Insulation bars; Thickness of bars in mm 1.8; Distance of metal shells d in mm 14 to16; Replacement panel; Edge cover in mm 12; Thickness in mm 28

Special features: -/-

Results

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

U_f = 2.1 to 3.1 W/(m²K)

Basis *)

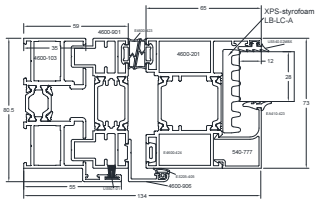
EN ISO 10077-2:2012-02

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 9 page/s and annexe (12 pages).

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