

Evidence of Performance

Calculation of thermal transmittance



Test Report
No. 17-002121-PR01
(PB-K20-06-en-01)

Client ALUMINCO S.A.
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Basis *)
EN ISO 10077-2:2012-02
EN ISO 6946:2007-12
SG 06-verpflichtend
NB-CPD/SG06/11/083 2011-09

Product Metal profiles with thermal break
Profile combinations: Casement-threshold,
casement-frame, casement-casement

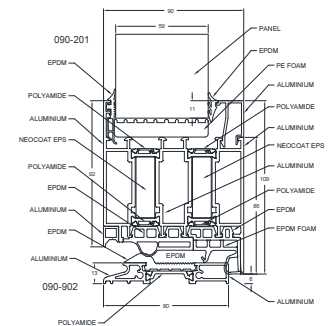
*) Correspond/s to the national standard/s
(e.g. DIN EN)

Designation ALUMINCO D90 (NOVEL DOOR)

Representation

Test specimen PK01

Performance-relevant product details Material Aluminium alloys; Surface treatment Powder coated or painted; View width B in mm 92 to 223; Thermal break; Material Polyamide 6.6 with 25% glass fibre"; Surface in thermal break untreated; Height of bars in mm 18 to 30; Inlay foam in glazing rebate; Material PE foam "POL PE 22x12"; Thermal conductivity W/(mK) 0.038; Casement; Item numbers 090-201 / 090-203 / 090-205; Width in mm 86 / 109; Thickness in mm 89.5; Additional profile; Item number 090-501; Width in mm 54; Thickness in mm 87; Frame; Item number 090-101; Width in mm 86; Thickness in mm 89.5; Threshold; Item number 090-902; Width in mm 13; Thickness in mm 80; Panel; Thickness in mm 67 / 89.5; Face layer; Material Aluminium alloys; Inlay; Material EPS "NEOCOAT"; Thermal conductivity in W/(mK) 0,030; Replacement panel; Edge cover in mm 11; Thickness in mm 59



Further drawings see annex

Special features Partially with casement overlapping panel outside or outside and inside

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 12 page/s and annexe (6 pages).

Results

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



$$U_f = 1.6 \text{ to } 1.8 \text{ W/(m}^2\text{K)}$$

$$U_{f,Edge} = 1.5 \text{ to } 2.2 \text{ W/(m}^2\text{K)}$$

$$U_p = 0.33 \text{ to } 0.44 \text{ W/(m}^2\text{K)}$$

ift Rosenheim
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