

# Evidence of Performance

## Calculation of thermal transmittance



**Test Report**  
**No. 17-002121-PR03**  
(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

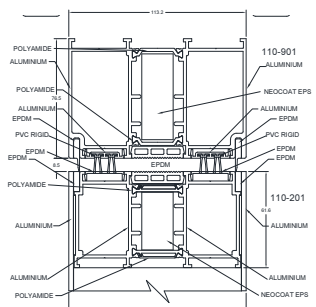
) Correspond/s to the national standard/s  
(e.g. DIN EN)

**Designation** ALUMINCO D110 (PIVOT DOOR)

**Representation**  
Test specimen PK01

**Performance-relevant product details**  
Material Aluminium alloys; Surface treatment Powder coated or painted; View width B in mm 90 to 146.5; Thermal break; Material Polyamide 6.6 with 25% glass fibre; Surface in thermal break untreated; Height of bars in mm 32; Casement; Item number 110-201; Width in mm 61.5 / 76.5; Thickness in mm 113; Frame; Item numbers 110-901 / 110-101; Width in mm 76.5; Thickness in mm 113; Threshold; Item number 110-902; Width in mm 20; Thickness in mm 113; Panel; Thickness in mm 113; Face layer; Material Aluminium alloys; Inlay; Material EPS "NEOCOAT"; Thermal conductivity in W/(mK) 0,030; Edge cover in mm 0

**Special features** Casement overlapping panel outside and inside



Further drawings see annex

### Instructions for use

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

### Results

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



$$U_{f,Edge} = 2.2 \text{ to } 2.8 \text{ W/(m}^2\text{K)}$$

$$U_p = 0.27 \text{ W/(m}^2\text{K)}$$

### 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.

### 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 (2 pages).

**ift Rosenheim**  
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