

Evidence of Performance

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|-------------|--|
| Number | 18-000714-PR01 (NW-K20-06-en-01) |
| Owner | ALUMINCO S.A. Megali Rahi 32011 Inofita Viotias Greece |
| Product | Metal profiles with thermal break |
| Designation | System: SL-2450 |
| Details | Material Aluminium alloy - painted - powder coated; Thickness of infill 26 mm / 28 mm; Edge cover of infill 9 mm / 12 mm; Thermal break; Material Polyamide 6.6 with 25 % glass fibre (PA 6.6 GF25); Surface treatment of profile untreated; Length of bars 24 mm / 32 mm; Thickness of bars 1.8 mm / 2.0 mm; Frame; Designation 2450-114 / 2450-113; Additional frame profile; Designation 2450-919; Casement; Designation 2450-211 / 220-201 / 2450-212; |

Special features

Result

Calculation of thermal transmittance according to EN ISO 10077-2:2017-07

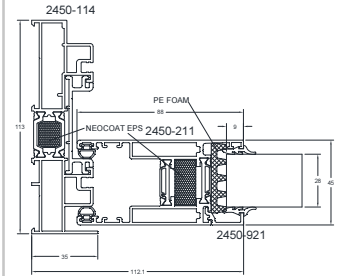


$$U_f = 1.9 \text{ W/(m}^2\text{K)} - 5.3 \text{ W/(m}^2\text{K)}$$

Basis *)

Test report: 18-000714-PR01 (PB-K20-06-en-01)

Representation



Instructions for use

The results obtained can be used by the manufacturer for preparing the Declaration of Performance in accordance with the Construction Products Regulation 305/2011 /EU. The provisions of the applicable product standard have to be observed.

Validity

There is no time limit. When using this document the up-to-dateness of above basis and the conformity of the product have to be observed.

The data and results given relate solely to the tested/described specimen. This test/evaluation 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.

ift Rosenheim
11.04.2018



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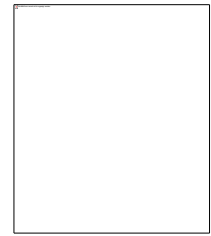


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Identity-Check



www.ift-rosenheim.de/ift-geprueft
ID: E32-94898



Type list

Calculation of thermal transmittance according to EN ISO 10077-2:2017-07

Test results

Calculated thermal transmittance:

| Sp-No. | Description | View width b_f in mm | Thickness of filling d_p in mm | U_f^* in $W/(m^2K)$ |
|--------|--|---------------------------|--|--------------------------|
| -01 | 2450-114_2450-211 (Casement internal) | 112 | 28 | 3,2 |
| -02 | 2450-211_2450_211 | 92 | 28 | 3,5 |
| -03 | 2450-114_2450-211 (Casement external) | 112 | 28 | 3,2 |
| -04 | 2450-114_2450-211_2450-919 (Casement internal) | 125 | 28 | 4,1 |
| -05 | 2450-114_2450-211_2450-919 (Casement external) | 125 | 28 | 3,8 |
| -06 | 220-201_220-201 | 163 | 26 | 2,7 |
| -07 | 2450-113 | 50 | 26 | 1,9 |
| -08 | 2450-212_2450-304 | 51 | 26 | 5,3 |
| -09 | 2450-211_2450-113 | 129 | 28 | 3,2 |

*) Thermal transmittance calculated by using the radiosity-method. Rounded test results according to EN ISO 10077-2:2017-07.

The calculated values of the thermal transmittance can be used for profiles made of aluminium with lacquered or powder coated surface and with an untreated surface in the thermal break.