

Number	20-002462-PR04 (NW-K20-06-en-01)
Owner	ETEM COMMERCIAL AND INDUSTRIAL LIGHT METALS S.A. 1, Iroon Polytechniou Str., 190 18 Magoula Greece
Product	Metal profiles with thermal break
Designation	System: ED68
Details	Material Aluminium alloy - painted - powder coated; Projected width from - to 81 mm - 182 mm; Structural depth 68 mm; Thermal break: Material Polyamide 6.6 with 25 % glass fibre (PA 66 GF25); Surface treatment of profile slightly oxidised; Length of bars from - to 10 mm – 32 mm; Thickness of bars from - to 1.8 mm – 2.1 mm; Inlay material User specific - „PIR35C5“; Casement; Designation E5268201 / E5268202/ E5268203 / E5268204; Thickness of infill 32 mm; Edge cover of infill 17 mm; Inlay material User specific – „PLAMAFRAME“; Frame; Designation E5268101; Mullion; Designation E-68300; Threshold; Designation E5268801 / E-75805; Additional profiles; Designation E5275803 / E5275804 / E5275804A / FA134251.00

Special features

Result

Calculation of thermal transmittance (Radiosity-Method) according to EN ISO 10077-2:2017-07



$$U_f = 1,4 \text{ W}/(\text{m}^2\text{K}) - 3,3 \text{ W}/(\text{m}^2\text{K})$$

ift Rosenheim
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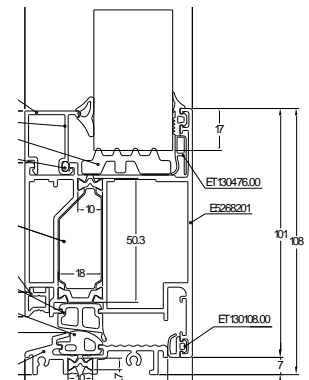
Basis *)

EN ISO 10077-2:2017-07
*) and corresponding national versions
e.g. DIN EN)

Test report: 20-002462-PR04 PB-K20-06-en-01

Representation

Exemplary test specimen



Instructions for use

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

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 detailed results given relate solely to the test-ed/described specimen.

This test does not allow any statement to be made on further characteristics of the present structure regarding performance and quality, in particular the effects of weathering and ageing.

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.

Identity-Check



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ID: 262-A1594

Type list for calculations of thermal transmittance according to EN ISO 10077-2:2017-07

Test result

Calculated thermal transmittance:

Specimen No.	Description	Projected width b_f	Filling thickness d_p	U_f ¹⁾
		in mm	in mm	in $W/(m^2K)$
-01	E5268201 - E5268101	154	32	2,6
-02	E5268201 - E5268801	108	32	3,3
-03	E5268201 - E-75805	108	32	3,3
-04	E5268201	108	32	3,0
-05	E-68300	81	32	1,4
-06	E5268201 - E5268202	182	32	2,7
-07	E5268203 - E5268101	154	32	2,3
-08	E5268203 - E5268801	108	32	2,9
-09	E5268203 - E-75805	108	32	3,2
-10	E5268203	108	32	3,0
-11	E5268203 - E5268204	182	32	2,2

¹⁾ Calculated and rounded according to EN ISO 10077-2 using the radiosity method.

The calculated values of the thermal transmittance can be used for profiles made of aluminium with lacquered or power coated surface and with a slightly oxidized surface in the thermal break. The emissivity of low emissive layers must be ensured by a factory production control.