ift-Nachweis

Number	20-000719-PR01 (NW-K20-06-en-01)
Owner	Europa Profil Aluminio S.A. 56th Klm National Highway Athens - Lamia 32011 Innofita Viotas Greece
Product	Metal profiles with thermal break
Designation	System: EOS 60
Details	Material Aluminium alloy - painted - powder coated; Projected width from - to 58 mm - 246 mm; Structural depth 60 mm; **Thermal break:** Material Polyamide 6.6 with 25 % glass fibre (PA 66 GF25); Surface treatment of profile slightly oxidised; Inlay material User specific - EPS; Casement; Designation 57201 / 57206 / 57208 / 57210 / 57231; Thickness of infill 27 mm; Edge cover of infill 15 mm; Inlay material User specific - Polyethylene foam ; Frame; Designation 57102 / 57106 / 57108 / 57112; Threshold; Designation 57107 / 57110; Mullion; Designation 57402 / 57403 / 57405 / 57406; Casement overlapping profiles; Designation 57301 / 57302 / 57331; Additional profiles; Designation 57623 / TV895
Special features	

Result

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

U_f = 1.4 W/(m²K) – 4.2 W/(m²K)

ift Rosenheim
26.03.2020

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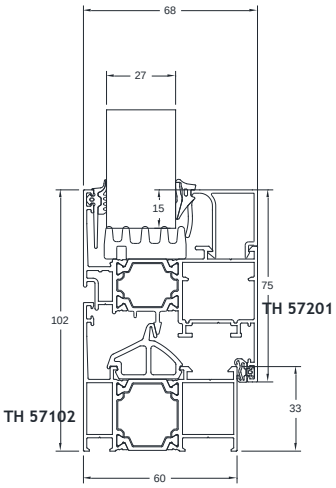
Basis *)

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

Test report: 20-000719-PR01 (PB-K20-06-en-01)

Representation

Representative 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 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.

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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 in mm	Filling thickness d_p in mm	U_f [1] in W/(m²K)
-01	57102	58	27	1,7
-02	57102-57201	102	27	2,1
-03	57102-57206	128	27	1,9
-04	57102-57208	131	27	2,2
-05	57102-57231	102	27	2,1
-06	57107-57201	84	27	2,5
-07	57107-57206	110	27	2,6
-08	57107-57208	113	27	3,0
-09	57110-57206-57623	122	27	4,2
-10	57106	74	27	2,0
-11	57106-57210	80	27	2,4
-12	57112-57206	150	27	1,8
-13	57112-57208	153	27	2,0
-14	57108-57201-TV 895	102	27	2,1
-15	57210-57302-57210	122	27	2,4
-16	57210-57403-57210	132	27	2,4
-17	57201-57301-57201	156	27	2,1
-18	57206-57301-57206	208	27	1,8
-19	57231-57331-57231	156	27	2,1
-20	57402	72	27	2,0
-21	57406	106	27	1,4
-22	57201-57406	150	27	1,9
-23	57206-57406	176	27	1,7
-24	57201-57405	122	27	2,2
-25	57201-57406-57201	194	27	2,0
-26	57206-57406-57206	246	27	1,8
-27	57201-57405-57201	166	27	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 powder 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.