ift-Nachweis

Number	20-002447-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 78
Details	Material Aluminium alloy - painted - powder coated; Projected width from - to 58 mm - 246 mm; Structural depth 78 mm; Thickness of infill 44 mm; Edge cover of infill 12 mm - 14 mm; **Thermal break:** Material Polyamide 6.6 with 25 % glass fibre (PA 66 GF25); Surface treatment of profile slightly oxidised; Length of the bars 34 mm - 42 mm; Thickness of the bars 1.4 mm – 2.0 mm; Inlay material User specific - Neocoat EPS; Casement; Designation TH 59201 / TH 59206 / TH 59208 / TH 59210 / TH 59213 / TH 59231; Inlay material User specific – Izoterm Plamaframe; Frame; Designation TH 59102 / TH 59106 / TH 59108 / TH 59112; Threshold; Designation TH 59107; Casement overlap profile; Designation TH 59302 / TH 59331; Mullion; Designation TH 59403 / TH 59405 / TH 59406; Additional profile; Designation TV 59602 / TH 59623 / TH 59110 / TV 895
Special features	

Result

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

$$U_f = 1.1\ \text{W/(m²K)} – 1.9\ \text{W/(m²K)}$$

ift Rosenheim
25.02.2021

Konrad Huber, Dipl.-Ing. (FH)
Head of Testing Department
Building Physics

Till Stübben, Dipl.-Ing. (FH)
Operating Testing Officer
Building Physics

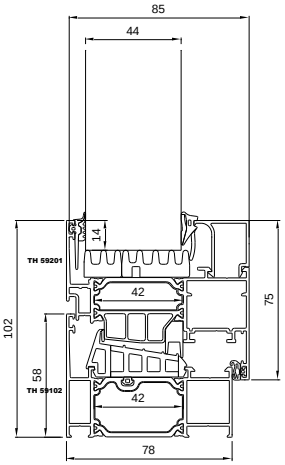
Basis *)

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

Test report: 20-002447-PR01 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 tested/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

www.ift-rosenheim.de/ift-geprueft
ID: 9D3-52CAA

ift Rosenheim GmbH
Theodor-Gietl-Str. 7-9
D-83026 Rosenheim

Contact
Phone: +49 8031 261-0
Fax: +49 8031 261-290
www.ift-rosenheim.de

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	TH 59102	58	44	1,3
-02	TH 59102 - TH 59201	102	44	1,5
-03	TH 59102 - TH 59213	110	44	1,5
-04	TH 59102 - TH 59206	128	44	1,3
-05	TH 59102 - TH 59208	131	44	1,4
-06	TH 59102 - TH 59231	102	44	1,5
-07	TH 59112 - TH 59206	150	44	1,2
-08	TH 59112 - TH 59208	153	44	1,3
-09	TH 59106 - TV59602	74	44	1,5
-10	TH 59106 - TV59210	80	44	1,7
-11	TH 59201-TH 59107	84	44	1,6
-12	TH 59208-TH 59107	113	44	1,7
-13	TH 59206-TH 59107	110	44	1,6
-14	TH 59206-TH 59623-TH 59110	122	44	1,9
-15	TH 59210-TH 59302-TH 59210	122	44	1,7
-16	TH 59210-TH 59403-TH 59210	132	44	1,8
-17	TH 59201-TH 59301-TH 59201	156	44	1,4
-18	TH 59206-TH 59301-TH 59206	208	44	1,2
-19	TH 59231-TH 59331-TH 59231	156	44	1,4
-20	TH 59405	78	44	1,3
-21	TH 59406	106	44	1,1
-22	TH 59405-TH 59201	122	44	1,4
-23	TH 59406-TH 59201	150	44	1,3
-24	TH 59206-TH 59406	176	44	1,2
-25	TH 59201-TH 59405-TH 59201	166	44	1,5
-26	TH 59201-TH 59406-TH 59201	194	44	1,4
-27	TH 59206-TH 59406-TH 59206	246	44	1,2
-28	TH 59201-TH 59108-TV 895	102	44	1,5

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