

Number	24-001265-PR01 (NW-K20-06-en-01)
Owner	PROFILINK Ltd. 55 Nestor Abadzhiev Str. 4023 Plovdiv Bulgaria
Product	Metal profiles with thermal break
Designation	System: Orbis window system
Details	Material Aluminium alloy - painted - powder coated; Projected width from - to 60 mm - 141 mm; Structural depth 71 mm; Thickness of infill 44 mm / 56 mm; Edge cover of infill 16 mm; Thermal break: Material Low Lambda PA 66 GF25; Surface treatment of profile untreated; Length of bars 34 mm; Thickness of bars 1.8 mm; Inlay material User specific - "Kooltherm K15"; Casement; Designation 200001 / 200011; Inlay material User specific - "Plamaframe"; Frame; Designation 200000 / 200010

Special features

Result

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



$$U_f = 1.3 \text{ W/(m}^2\text{K)} - 1.4 \text{ W/(m}^2\text{K)}$$

ift Rosenheim

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



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

Basis *)

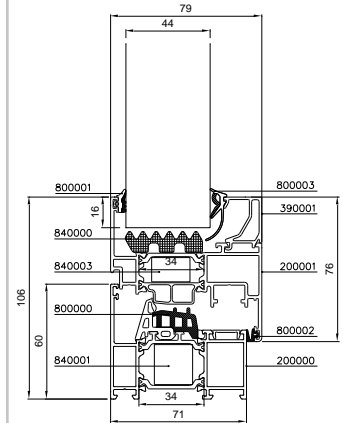
EN ISO 10077-2:2017-07

*) and corresponding national versions
e.g. DIN EN)

Test report: 24-001265-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



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ID: 116-34192

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	$U_f^{1)2)}$ in $W/(m^2K)$
-01	200000	60	44	1,3
-02	200001-200000	106	44	1,4
-03	200011-200010	141	56	1,3

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

²⁾ 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. The emissivity of low emissive layers must be ensured by a factory production control.