Evidence of Performance

Calculation of linear thermal transmittance

Test Report
No. 14-000623-PR10
(PB-K10-06-en-01)

Client

Thermoseal Group Ltd
Gavin Way, Nexus Point,
Off Holford Drive
B6 7AF Birmingham
Great Britain

Product

Spacer system

Designation: "Thermobar"

Performance-relevant product details: Dimensions (W x H) in mm 6.5 x 11.5 / 6.5 x 15.5; Material Plastic composite system; Basic body; Material Modified polypropylene with 40% glass fibre content; Thickness in mm 1.0 / 1.2; film; Material Modified polyester; Coating thickness in mm 0.027 (client data); Desiccant and sealing system as per ift-Guidelines WA-08/2 or WA-17/1; measured equivalent thermal conductivity according to WA-17/1 in W/mK $\lambda_{eq,2B}$ = 0.14; Frame profiles as per ift-Guideline WA-08/2; Double glazing unit; U_g = 1.1 W/(m²K); Configuration in mm 4/16/4; Triple glazing unit; U_g = 0.7 W/(m²K); Configuration in mm 4/12/4/12/4

Special features: Secondary sealing level made of butyl with a height of 3 mm (hotmelt edge seal)

Results

Calculation of linear thermal transmittance according to EN ISO 10077-2:2012-02

	0.031	0.029	0.027	0.028
	0.026	0.027	0.025	0.026

ift Rosenheim
28.09.2015
Translation dated 19.08.2023

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

signed
Maurice Mayer, Dipl.-Ing. (FH) (FH)
Operating Testing Officer
Building Physics

This document is valid without a signature. The original document no. 14-000623-PR10 (PB-K10-06-de-01) dated 28.09.2015 remains legally binding.

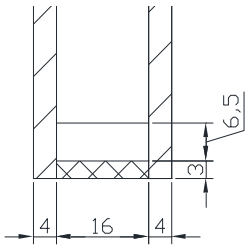
Basis *)

ift-Guideline WA-08/2 2013-07
EN ISO 10077-2:2012-02
SG 06-binding
NB-CPD/SG06/11/083 2011-09
ift Test Report 14-000623-PR05 (PB-K10-06-en-01)

*) Correspond/s to the national standard/s (e.g. DIN EN)

Representation

Schematic drawing of pane configuration / Two Box Model



See annex for further drawings

Instructions for use

This test report serves to verify the linear thermal transmittance.

Validity

The data and results given refer solely to the tested and described specimen.

This test 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 cover sheet can be used as an abstract.

Contents

The report contains a total of 7 pages and annexes (4 pages).