

Evidence of Performance

Evaluation of suitability for passive houses

Test Report

N° 21-000655-PR07
(PB-A01-06-en-01)



Client Salamander Industrie-Produkte GmbH
Jakob-Sigle-Str. 58
86842 Türkheim
Germany

Product Single plastic window
Designation System: **bluEvolution 82**
Frame profile: **HO8520-HO9020**
Frame material Polyvinylchloride (uPVC) hard, with reinforcement
Overall dimensions 1,230 mm x 1,480 mm
Window (W x H)

Performance characteristics: Thermal transmittance, comfort, temperature factor (hygiene)
(according to ift-Guideline WA 15/2: 2011-02)

Results
 $U_f = 0.93 \text{ W/(m}^2\text{K)}$
 U_f of frame profiles circumferential. Frame projected width $W = 123 \text{ mm}$
 $U_g = 0.6 \text{ W/(m}^2\text{K)}$ (information provided by the client) $< 0.7 \text{ W/(m}^2 \cdot \text{K)}$
 $f_{0.13} = 0.88$ with $f_{R_{e0}} = 1 - R_{e0} \cdot U_f$
 $U_w = 0.78 \text{ W/(m}^2 \cdot \text{K)}$
Based on a representative reference element with a dimension of 1,230 mm x 1,480 mm, glazing with $U_g = 0.6 \text{ W/(m}^2\text{K)}$, configuration 4/14/4/14/4 mm and spacer „Kodispace 4SG“
 $U_{w, \text{Installation}} = 0.85 \text{ W/(m}^2\text{K)}$
For the wall construction "Monolithic external wall with external thermal insulation composite system"
 $f_{0.25/0.13} \geq 0.73$ for wall connections of mentioned wall structure
 $f_{0.20} \geq 0.73$ for glass edge area

Special features

Results	properties	Resistance to wind load	Watertightness	Impact resistance	Conductivity	Air permeability
	Class / value	C3 / B4	9A	2	see above	4

ift Rosenheim
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Basis *)

ift-Guideline WA-15/2: 2011-02
EN 14351-1: 2006+A2: 2016-09

ift Test reports:
21-000655-PR02 (PB-K20-06-de-01)

21-000655-PR04 (PB-A01-06-de-01)

21-000655-PR06 (PB-A01-06-de-01)

13-001945-PR12 (GAS-A01-020310-de-01)

21-000655-PR01 (NW-A01-03-de-02)

*) Corresponds to the national standards (e.g. DIN EN)

Test report 21-000655-PR07 (PB-A01-06-de-01) dated 30.06.2021

Instructions for use

This test report, together with the above basis, serves to demonstrate the performance characteristics according to above mentioned guideline.

The values / classes of further performance characteristics indicated refer to both the object described in the individual evidence of performance.

Application of the performance characteristics is subject to the national technical regulations referring to building construction.

Validity

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

Testing of the above performance characteristics does not allow any statement to be made on further characteristics of the present structure regarding performance and quality.

The test report loses its validity if the guideline or the documents cited in the fundamentals lose their validity.

Notes on publication

The "Guidance Sheet for the Use of ift Test Documents" applies.

The cover sheet can be used as an abstract.

Contents

The report contains a total of 5 pages and annexes (2 pages)

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Testing and Calibration – EN ISO/IEC 17025
Inspection – EN ISO/IEC 17020
Product Certification – EN ISO/IEC 17065
Certification of Management Systems – EN ISO/IEC 17021

Notified Body 0757
B17-Steile, BAY 18



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