ift-Nachweis

Number	24-002746-PR02 (NW-E03-020310-en-01)
Owner	UAB "Warmotech" Elektrėnų str. 16 51205 Kaunas Lithuania
Product	**Framing system for pre-wall installation**
Designation	WARMOTECH PRO+
Tested dimension	PRO 100+ (100 mm)
Frame	Projection 100 mm; Frame width 80 mm; Materials 70 mm Warmotech PU board (green, 550 kg/m³); 30 mm XPS insulation material (yellow, 45 kg/m³) WLG 035 on outside; Delivery length 1,220 mm Corner and longitudinal joints butt-jointed and sealed with sealant
Frame fastening to concrete	SFS direct fixing screw FB-FK-T30 7.5 x 132 mm; Screw-in depth 62 mm; Fixing distance 4 each at top and on sides ≤577.5 mm, 3 each at bottom ≤545 mm; Edge distance 28 - 40 mm from reveal edge; Sealant/adhesive Warmotech elastic hybrid adhesive sealant in two circumferential sealant beads;
Window fastening to frame	SFS direct fixing screw FB-FK-T30 (7.5 x 112 mm, 7.5 x 132 mm at bottom); Screw-in depth 45 mm - 50 mm; Joint width right: 30 mm, at top: 20 mm, left: 22 mm, at bottom: 20 mm; Edge distance approx. 15 mm from outer edge of warmotech transom Fixing distance circumferential 3 pcs. each ≤591 mm; Load transfer 2 support blocks at bottom
Test setup	Wall components Reinforced concrete C35/45 with butt-jointed reveal d = 200 mm; Window Single window made of PVC, 1230 mm x 1480 mm with insulating glass unit with configuration 4/16/4/16/4; Window position Outer edge of frame flush with outer edge of frame
Results *)	Assessment of usability of a fastening system according to ift-Guideline MO-02/1:2015 - Section 5.2 (Detailed results on Page 2)



Requirement: fulfilled

*) Decision rule: For the evaluation of conformity, the measurement uncertainty was not taken into account.

ift Rosenheim
18.12.2024

Thomas Stefan, Dipl.-Ing. (FH)
Head of Testing Department
Building Component Testing

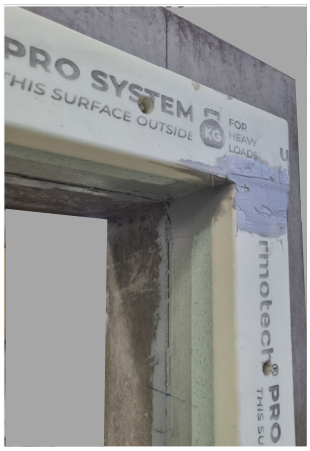
Martin Heßler, Dipl.-Ing. (FH)
Project Engineer
Building Component Testing

Basis

ift-Guideline MO-02/1:2015-06

Test report 24-002746-PR02 PB-E03-020310-en-01

Representation



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 and described test 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.

Identity-Check

www.ift-rosenheim.de/ift-geprueft
ID: EA5-E5D1C

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

+49 8031 261-0
info@ift-rosenheim.de
www.ift-rosenheim.de

Notified Body 0757
PÜZ-Stelle BAY 18

Accredited Test Laboratory
EN ISO/IEC 17025

ilac-MRA DAkkS Deutsche Akkreditierungsstelle D-PL-11349-01-00

Summary of results

Evaluation	Tested performance characteristic	Result of test
ift-Guideline MO-02/1, Section 5.2	Receiving control according to ift-Guideline MO-02/1	Requirement fulfilled
	Operating forces based on EN 12046-1	≤ 10 Nm for releasing or locking of hardware
	Load with additional weight (vertical loads) based on EN 14608:2004-06	Reversible displacement of frame ≤ 3 mm at fixing points, no permanent displacements (<1.0 mm) at a load of 800 N
	Resistance to wind load - static wind load based on EN 12211:2016-03	Reversible displacement of frame ≤ 3 mm at fixing points, no permanent displacements (<1.0 mm) at a load of 2,000 Pa
	Resistance to wind load - Alternating positive and negative pressures based on EN 12211	Reversible displacement of frame ≤ 3 mm at fixing points, no permanent displacements (<1.0 mm) at a load of 1,000 Pa
	Loading by alternating temperatures according to ift-Guideline MO-02/1	Reversible displacement of frame ≤ 3 mm at fixing points, no permanent displacements (<1.0 mm)
	Resistance to repeated opening and closing based on EN 1191	10,000 operating cycles / requirements fulfilled
	Resistance to wind load - Alternating positive and negative pressures based on EN 12211	Reversible displacement of frame ≤ 3 mm at fixing points, no permanent displacements (<1.0 mm) at a load of 1,000 Pa
	Resistance to wind load - static wind load based on EN 12211	Reversible displacement of frame ≤ 3 mm at fixing points, no permanent displacements (<1.0 mm) at a load of 2,000 Pa
	Operating forces based on EN 12046-1	≤ 10 Nm for releasing or locking of hardware
	Resistance to wind load - Safety test based on EN 12211	Requirements fulfilled at 3,000 Pa
	Impact resistance based on EN 13049	Requirements fulfilled with a drop height of 700 mm
	Disassembly and evaluation according to ift-Guideline MO-02/1	Requirement fulfilled