ift-Nachweis

Number	20-004372-PR01 (NW-E03-020310-en-01)
Owner	Knelsen Polska Sp. z o.o. Polna 9-11 86-031 Osielsko Poland
Product	Fixing system between window and building structure in pre-wall installation
Designation	MTF System
Details	Installation conditions Masonry wall structure made of reinforced concrete with stump revea, plastered in reveal; window Plastic window with steel reinforcement, 1,230 mm x 1,480 mm with glass configuration 8/16/4/16/4; installation position prefixed mounted – cantilever 100 mm; fixing of window Direct mounting Ø 7,5 mm x 152 mm (lateral and at top), fixing distance ≤ 700 mm, window sill connection profile at bottom fully bonded with MS FLEXI AD Polimer ; fixing of mounting frame screwed with direct mounting screws Ø 7,5 mm x 152 mm, bonded with MS FLEXI AD Polimer ; lateral securing over mounting screws; load transmission window sill connection profile directly on top of mounting frame (without spacer blockings)
Special features	

Result

Assessment of serviceability of a fastening system according to ift-Guideline MO-02/1:2015 - section 5.2 (detail results on page 2)

Requirement: fulfilled

ift Rosenheim
01.09.2021

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

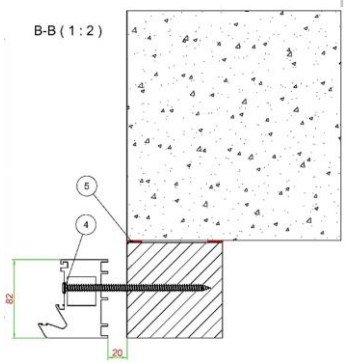
Thomas Krichbaumer
Operating Testing Officer
Building Component Testing

Basis

ift-Guideline MO-02/1 2015-06

Test report: 20-004372-PR01 PB-E03-020310-de-02

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 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: FD8-BD2AA

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

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
PÜZ-Stelle: BAY 18

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

Summary of results

Assess-ment	Tested performance characteristics	Test results
ift-Guideline MO-02/1, section 5.2	Receiving inspection according to ift-Guideline MO-02/1:2015-06	Requirements fulfilled
	Operating forces following EN 12046-1:2003-11	≤ 10 Nm for lock / release of hardware
	Resistance to racking following EN 14608:2004-06	Reversible displacement of frame ≤ 3 mm at the fixing points, no permanent deformation (<1.0 mm) at a load of 800 N
	Resistance to wind load - static wind load following EN 12211:2016-03	Reversible displacement of frame ≤ 3 mm at the fixing points, no permanent deformation (<1.0 mm) at a load of 2000 Pa
	Resistance to wind load - alternating positive and negative pressures following EN 12211:2016-03	Reversible displacement of frame ≤ 3 mm at the fixing points, no permanent deformation (<1.0 mm) at a load of 1000 Pa
	Thermal cycling according to ift-Guideline MO-01/1:2007-01	Reversible displacement of frame ≤ 3 mm at the fixing points, no permanent deformation (<1.0 mm) at a load of + 60°C / - 15°C, 10 Cycles
	Mechanical durability following EN 1191:2000-02	10.000 Operating cycles / Requirements ful-filled
	Resistance to wind load - alternating positive and negative pressures following EN 12211:2016-03	Reversible displacement of frame ≤ 3 mm at the fixing points, no permanent deformation (<1.0 mm) at a load of 1000 Pa
	Resistance to wind load - static wind load following EN 12211:2016-03	Reversible displacement of frame ≤ 3 mm at the fixing points, no permanent deformation (<1.0 mm) at a load of 2000 Pa
	Operating forces following EN 12046-1:2003-11	≤ 10 Nm for lock / release of hardware
	Resistance to wind load - safety test following EN 12211:2016-03	Requirements fulfilled at a load of 3000 Pa
	Impact resistance following EN 13049:2003-04	Requirements fulfilled at a drop height of 700 mm
	Dismantling and inspection according to ift-Guideline MO-02/1:2015-06	Requirements fulfilled