



**THRU SAFE**  
DOORS

# Evidence of Performance

## Calculation of thermal transmittance



**Test Report**  
**No. 19-001547-PR04**  
(PB-C01-06-en-01)

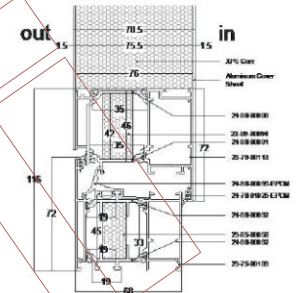
**Client** **TEHNI A.E.**  
2nd km Xanthi - Pigadia  
67100 Xanthi  
Greece

**Basis \*)**  
EN ISO 10077-1:2017-07  
ift test report 19-001547-PR03  
(PB-K20-06-en-01)  
\*) Correspond/s to the national standard/s  
(e.g. DIN EN)

**Product** **Single leaf aluminium-door with panel**  
**Designation** **TLS 90**

**Representation**  
Cross section of the profile, casement-frame

**Performance-relevant product details** Dimensions (B x H) in mm **1200 x 2150**; Opening direction **in-**wards; Profiles; Material **Aluminium alloy - painted - powder coated**; Projected width from - to **84 mm - 116 mm**; Structural depth **68 mm**; Thermal break; Material **Polyamide 6.6 with 25 % glass fibre (PA 66 GF25)**; Surface treatment **untreated (threshold: powder coated)**; Casement; Designation **23-75-00113**; Thickness of infill **78.5 mm**; Edge cover of infill **0 mm**; Inlay material **User specific - "FIBRANxps FABRIC"**; Frame; Designation **23-75-00109**; Inlay material **User specific - "FIBRANxps FABRIC"**; Threshold; Designation **24-75-03116**; Panel; Thickness **78.5 mm**; Construction in mm **1.5/75.5/1.5**; Face Layer; Material **Aluminium alloy - painted - powder coated**; Inlay; Material **User specific - "FIBRANxps FABRIC"**; Thermal conductivity in W/(mK) **0.034**



Further drawings see annex.

**Special features** **Casement overlapping panel inside and outside.**

**Instructions for use**  
The results obtained can be used as evidence in accordance with the above basis.

**Validity**  
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, in particular the effects of weathering and ageing.

**Results**  
Calculation of thermal transmittance according to  
EN ISO 10077-1:2017-07



$$U_D = 0.82 \text{ W/(m}^2\text{K)}$$

**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 abstract.

**ift Rosenheim**  
17.06.2019

**Contents**  
The report contains a total of 5 page/s and annexes (2 pages).

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Number	19-001547-PR07 (NW-C01-02-en-01)
Owner	TEHNI A.E. 2nd km Xanthi - Pigadia 67100 Xanthi Greece
Product	External pedestrian doorset
Designation	Shipping name: TLS-90
Details	Material Aluminium system with thermal break; Overall dimensions (W x H) 1100 x 2100 ; Closing condition closed and locked; Threshold: Designation 24-75-03116; System TLS-90; Material Aluminium system with thermal break; Lock: Designation STV-2460 L45-92
Special features	Test sequence. Position of locking.

### Result

Air permeability according to EN 12207:2016-12



**Class: 4**

Resistance to wind load according to EN 12210:2016-03



**Class: C3/B3**

Watertightness according to EN 12208:1999-11



**Class: 3A**

### Basis \*)

EN 14351-1:2006+A2:2016-09  
\*) and corresponding national versions  
(e.g. DIN EN)

Test report: 19-001547-PR07 PB-C01-02-en-01

### Representation



### Instructions for use

The Evidence ("Nachweis") can be used for preparing the Declaration of Performance in accordance with the Construction Products Regulation 305/2011/EU. The results obtained apply to the direct field of application determined in Annex E of EN 14351-1.

### 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.

### Notes on publication

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

ift Rosenheim  
12.04.2019



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### Identity-Check



[www.ift-rosenheim.de/ift-geprueft](http://www.ift-rosenheim.de/ift-geprueft)  
ID: 07D-5215A

Number 19-001547-PR01 (NW-C01-05-en-01)

Owner TEHNI A.E.  
2nd km Xanthi - Pigadia  
67100 Xanthi  
Greece

Product Burglar resistant external pedestrian doorset

Designation System: TLS-90  
Shipping name: TLS-90

Details Manufacturer TEHNI A.E., - Xanthi; Material Aluminium system with thermal break; Attack side Closing face as per EN 12519; Number of casements 1; Overall dimensions (W x H) 1110 x 2100; Lock: Manufacturer Aug. Winkhaus GmbH & Co. KG, - Telgte; Designation STV-2460/L45-92-WINK HAUS; Note Class 3 according to DIN 18251; Profile cylinder: Note Digit 7 class 4 and digit 8 class 1 according to EN 1303; Inserted Safety shield: Note Inserted drill protection plate 60 HRC with the dimensions and tolerances according to DIN 18257 and a guide of the profile cylinder for 7 mm length; Hinge: Manufacturer ATTAS GmbH, - Waiblingen; Designation Concealed door hinge 24-96-00104-00; Number 3

Special features

Result

Burglary resistance according to EN 1627:2011-05



**Class: RC 2 / RC 2N**

ift Rosenheim  
15.10.2019

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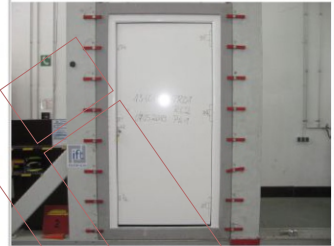
David Wolf  
Operating Testing Officer  
Security/Safety Testing

Basis \*)

EN 1627:2011-05  
\*) and corresponding national versions  
(e.g. DIN EN)

Test report: 19-001547-PR01 PB-  
C01-05-en-01

Representation



Instructions for use

The results obtained apply to the field of extended application as set out in EN 1627, Annex D.

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.

Notes on publication

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

Identity-Check



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