

### Auftraggeber:

TEHNI S.A. PANTELOS  
2o klm Kimmeria - Pigadia  
67100 Xanthi  
Greece

### Bauvorhaben/Kunde/Projekt:

Haustür Superior Euro

### Inhalt:

- $U_r$ -Berechnungen für Profile nach DIN EN ISO 10077-2
- $U_p$ -Berechnung für Paneele nach DIN EN ISO 6946
- $\Psi_p$ -Berechnung für den Einfluss des Paneelrands nach DIN EN ISO 10077-2
- $U_d$ -Berechnungen für Türen nach DIN EN ISO 10077-1

### Gegenstand:

- Profile: thermisch getrennte und gedämmte Aluminiumprofile (siehe Zeichnung)
- Füllung: Sandwich-Paneel 63,5 mm, außen und innen je 1,5 mm Aluminium, 60,5 mm XPS-Dämmung 0,033 W/mK

### Normative Verweise:

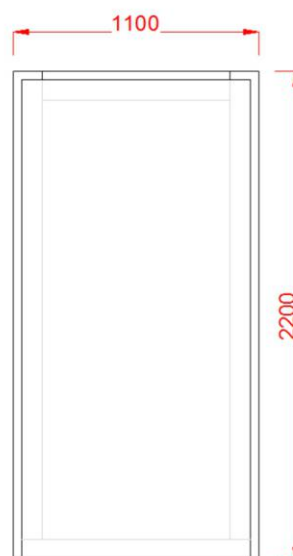
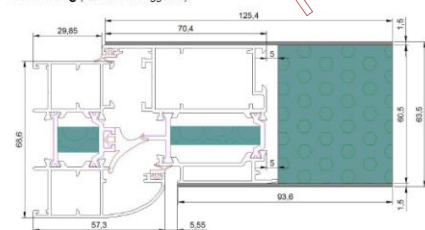
- DIN EN ISO 10077-1:2010-05, Wärmetechnisches Verhalten von Fenstern, Türen und Abschlüssen, Berechnung von Wärmedurchgangskoeffizienten – Teil 1: Vereinfachtes Verfahren
- DIN EN ISO 10077-2:2012-06, Wärmetechnisches Verhalten von Fenstern, Türen und Abschlüssen, Berechnung von Wärmedurchgangskoeffizienten – Teil 2: Numerisches Verfahren
- DIN EN 673:2011-04, Glas im Bauwesen – Bestimmung des Wärmedurchgangskoeffizienten (U-Wert)
- EN ISO 10211:2008-04, Wärmebrücken im Hochbau - Wärmeströme und Oberflächentemperaturen - Detaillierte Berechnungen
- EN ISO 6946:2008-04, Bauteile - Wärmedurchlasswiderstand und Wärmedurchgangskoeffizient - Berechnungsverfahren (ISO 6946:2007); Deutsche Fassung EN ISO 6946:2007
- DIN EN ISO 10456:2010-05, Baustoffe und Bauprodukte - Wärme- und feuchtetechnische Eigenschaften - Tabellierte Bemessungswerte und Verfahren zur Bestimmung der wärmeschutztechnischen Nenn- und Bemessungswerte

### Ergebnis:

Größe:	1,100 x 2,200	m	
Rahmen-Fläche:	0,610	m <sup>2</sup>	(25,2%)
Paneel-Fläche:	1,810	m <sup>2</sup>	(74,8%)

$$U_d = 1,2 \text{ (1,192) } \text{ W/m}^2\text{K}$$

Zeichnung (Quelle: Auftraggeber):



# Evidence of Performance

Burglar resistance

## Test Report

No. 16-003711-PR03

(PB-C01-05-en-02)



Client	TEHNI A.E. 2nd km Xanthi - Pigadia 67100 Xanthi Greece
Product	Burglar resistant Aluminium doorset RC 2
Designation	Tehni TLS 75 Door
Overall dimensions (W x H)	1,100 mm x 2,100 mm
(Frame) Material, System	Aluminium, powder coated, TLS 75 Door
Attack side	Closing face according to EN 12519
Type of opening	Single leaf doorset
Glazing	without glazing 3 points Hook Lock / Wink Haus DIN 18251: Class 4, single strike plate 2089328 / Winkhaus, double profile cylinder as per EN 1303 on position 7 class 5 and on position 8 class 2, long plate Europa FS SK3 / Erich Dieckmann GmbH as per DIN EN 1906 class 3 on position 7, 3 pieces of two piece hinges MBT 110 / MAKEDONIKI PANIDES, 2 hinge bolts Frame STV-SB F 20 - 19 MV MC-2524078 Winkhaus, 2 pieces of wedge locking protection Frame STV-SB F 20 - 19 MV MC-2524078 from Wink Haus
Hardware	Haus
Installation	As per installation instructions by the client TEHNI A.E.
Special features	-/-

### Basis

DIN EN 1627 : 2011  
Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance – Requirements and classification

DIN EN 1628 : 2011

DIN EN 1629 : 2011

DIN EN 1630 : 2011

Replaced Test Report No. 16-003711-PR03 (PB-C01-05-en-01) dated 26.6.2017

### Representation



### Instructions for use

This test report serves to demonstrate the burglar resistance

### Validity

The data and results refer solely to the tested and described specimen. The burglar resistance test does not allow any statement to be made on any further characteristics of the present structure regarding performance and quality.

In deviation from the tested design the following size modifications are permitted:  
in width +10% and -20%  
in height +10% and -20%

### 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 25 pages

- 1 Object
- 2 Procedure
- 3 Detailed results  
Annex 1 (8 pages)  
Annex 2 (2 pages)  
Annex 3 (3 page)

Burglar resistance



RC 2 / RC 2 N

ift Rosenheim

10.11.2017

Konrad Querengässer, Dipl.-Ing. (FH)  
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Security/Safety Testing

Simon Stürer  
Operating Testing Officer  
Security/Safety Testing

Number	17-002327-PR03 (NW-C01-0203-en-01)
Owner	TEHNI A.E. 2nd km Xanthi - Pigadia 67100 Xanthi Greece
Product	Single external pedestrian doorset
Designation	System: TEHNI ES 40 Shipping name: TLS 75 Door
Details	Material Aluminium system with thermal break; Overall dimensions (W x H) 1100 x 2100 ; Closing condition closed, fastened, latched and locked; Threshold: Designation E4800; System TEHNI ES 40; Material Aluminium system with thermal break; Lock: Designation 2909146, STV-F2060 L03/35 92/8 M2 RS MC,

Special features

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: 5A**

ift Rosenheim  
10.10.2017



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Building Component Testing



Franz Gruber  
Operating Testing Officer  
Building Component Testing

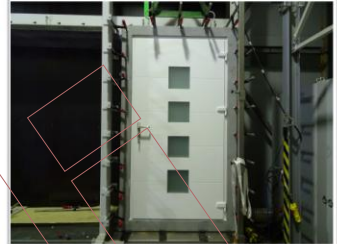
Basis \*)

EN 14351-1:2006+A2:2016-09

\*) and corresponding national versions  
e.g. DIN EN)

Test report: 17-002327-PR03 PB-C01-0203-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.

Identity-Check



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