

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

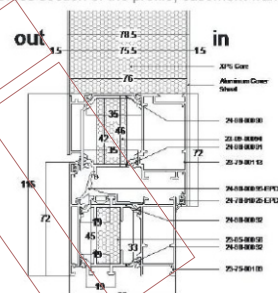
Designation
TLS 90

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

Special features
Casement overlapping panel inside and outside.

Representation

Cross section of the profile, casement-frame



Further drawings see annex.

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.

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.

Contents

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

Results

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



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

ift Rosenheim
17.06.2019

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Till Stübgen, Dipl.-Ing. (FH)
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Building Physics

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.

Identity-Check



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ID: 07D-5215A

ift Rosenheim
12.04.2019



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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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Head of Testing Department
Security/Safety Testing

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.

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ID: 507-E0F23

RAPPORTO DI PROVA n° 361/2020

Guidonia M. 20/07/2020

Risultato della prova di resistenza all'azione manuale di effrazione eseguita, il giorno 10/07/2020 su una porta blindata ad un'anta consegnata in data 10/07/2020.

Le caratteristiche geometriche e strutturali risultano nella descrizione allegata, fornita dal Committente, che costituisce parte integrante del presente certificato.

Committente : TEHNI S.A. - Greece

DATI DICHIARATI

Denominazione : TLS 90
Tipo apertura : a battente (un'anta)
Dimensioni (mm): La 1100 ; H 2100

MODALITA' DI PROVA

La prova è stata eseguita secondo le indicazioni riportate nella **UNI EN 1630** al punto 6 utilizzando gli attrezzi elencati nelle serie A1, A2 e A3, nei modi e nei tempi dettati dalla suddetta norma, fino ad effettuare l'apertura della porta in esame o a praticare un'apertura per consentire il passaggio dell'operatore o della sagoma di prova.

RISULTATO DELLA PROVA

Dagli esiti delle aggressioni portate dall'operatore sul campione in esame ed a quanto riportato dalla tabella 7 al punto 8 della **UNI EN 1627** si attribuisce alla porta per la prova in esame:

CLASSE DI RESISTENZA (RC) = 3

LO SPERIMENTATORE

Geom. Danilo Massi



LA DIREZIONE

Dott. Ing. Camillo Orsi



Risultato delle prove fonometriche eseguite, il giorno 02/06/2021, per la determinazione del potere fonoisolante di un portoncino di sicurezza.

Le caratteristiche del campione sono riportate nella descrizione allegata, fornita dal Committente, che costituisce parte integrante del presente rapporto prova.

Committente : TEHNI S.A.- PANTELOS

DATI DICHIARATI

Nome commerciale : TLS90

STRUMENTI DI MISURA

Sono stati utilizzati strumenti di misura della Bruel & Kjaer, conformi alle norme IEC 61672-1

MODALITA' DI PROVA

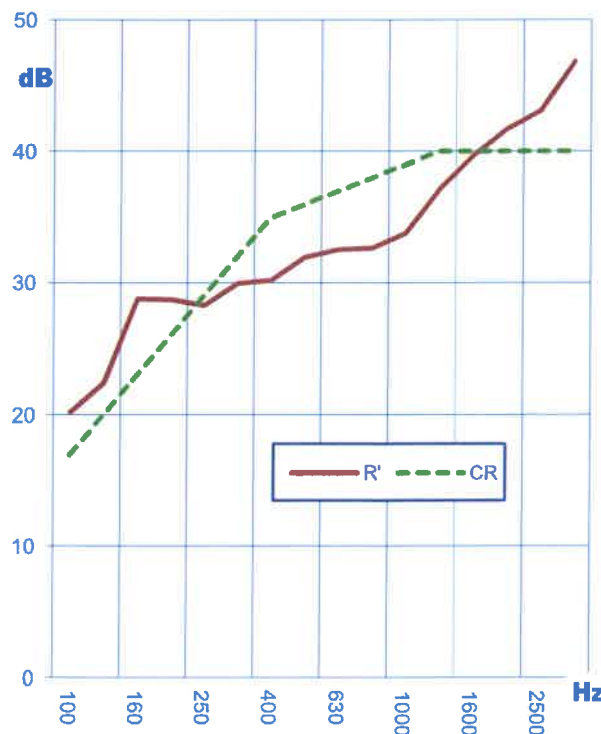
Il campione in esame, di superficie 9,80 m², è stata realizzata tra due camere riverberanti: la prima, emittente, ha un volume di 60,6 m³ la seconda, ricevente, ha un volume di 69,2 m³.

La prova è stata eseguita secondo le modalità dettate dalla **UNI EN ISO 10140**

RISULTATO DELLE MISURE

Rilievi ambientali di laboratorio: 15 °C - 55 % U.R.

f Hz	L1	L2	T2	Ri	CR
100	79,3	48,7	0,44	20,1	17,0
125	85,2	55,7	0,95	22,4	20,0
160	89,1	56,5	2,02	28,8	23,0
200	91,5	57,8	1,55	28,7	26,0
250	92,8	60,9	2,12	28,3	29,0
315	94,2	61,7	2,71	29,9	32,0
400	93,5	61,8	3,44	30,2	35,0
500	92,5	59,2	3,56	31,9	36,0
630	92,3	58,6	3,71	32,5	37,0
800	90,9	57,3	3,91	32,6	38,0
1000	90,4	55,4	3,69	33,8	39,0
1250	90,5	52,1	3,61	37,1	40,0
1600	90,7	49,7	3,60	39,7	40,0
2000	90,1	46,6	3,21	41,7	40,0
2500	90,4	44,5	2,55	43,1	40,0
3150	91,1	41,3	2,46	46,8	40,0



Rw (C;C_{tr}) = 36,0 (-1;-4) dB (500 Hz UNI EN ISO 717-1)

LO SPERIMENTATORE

Geom. Danilo Massi

