

Leistungserklärung

LE/DoP-Nr. **3779169 / 0020**

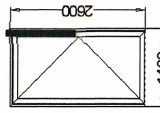
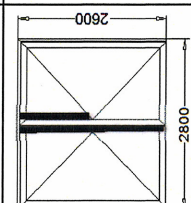
1. Kenncode des Produkttyps: Tür NovoFire EI30 Thermo
2. Ident.-Nr. : Auftrag **3779169 / 0020**
3. Verwendungszweck: Geeignet für den Einsatz in öffentlichen und privaten Gebäuden als Rauch - und Feuerschutzabschluss
4. Hersteller: Novoferm-Door ul. Wyzwolenia 46 Wykroty
59-730 Nowogrodziec, Polen
5. Bevollmächtigter: Mruk Sebastian
6. System zur Bewertung der Leistungsbeständigkeit: System 1/ System 3
7. Harmonisierte Norm: EN 16034 : 2014 / EN 14351-1+A2:2016

8. Notifizierte Stelle: Institut für Bautechnik
(Instytut Techniki Budowlanej – ITB)
Notifizierte Einheit Nr. 1488

9. Wesentliche Merkmale:

Wesentliche Merkmale	Leistungseigenschaften	Harmonisierte Norm
Feuerwiderstand	EI ₁₃₀	EN 16034 : 2014
Rauchdichtheit	npd	
Fähigkeit zur Freigabe	freigegeben	
Selbstschließend Eigenschaft	C5	
Dauerhaftigkeit der Fähigkeit zur Freigabe	Freigabe erhalten	
Dauerhaftigkeit der selbstschließenden Eigenschaften - Verschleiß - Alterung/ Korrosion	C5 erfüllt	

Aufstellung der Prüfberichte für EI30 Thermo nach 1634-1:2014
Stand 06.12.2016

Prüfbericht	Darstellung	Wand	Prüfseite	EN 1634-1 : 2014 Erg.	Erg.	größte Scheiben Hochformat				Bänder		Schlösser		Türschließer	SFR	Drücker	Schaltschl.	Schnappr.	Stangengriff	absenkb. Bodend.
						Glas 1	B	H	Glas 2	St.	Typ	GF	SF							
EI 30 Thermo\ZP0 1- 1508_16_Z00 NZP(1leaf test).pdf		K	BGS	ja	36(EI _h)	A	1138	2382		2	B	BKS 1838		Dorma TS 93 B		ECO D-116		BKS 1795		Schwelle 18mm
		K	BS	ja	34(EI _h)	A	1138	2382		2	B	BKS 1838		Dorma TS 93 B		ECO D-116		BKS 1795		Schwelle 18mm
EI 30 Outside\ZP0 3- 1508_16_Z00 NZP(2leaf test).pdf		B	BGS	ja	38(EI _h)	A	1202	2382		4	B	BKS 1838	BKS 1899	Dorma TS 93 B	Dorma G 93 GSR	ECO D-116	BKS 1895	BKS 1795		Schwelle 18mm

Sound reduction index in accordance with PN - EN ISO 10140-2 (2011)

Laboratory measurements of airborne sound insulation of building elements

Client: **Novoferm Door Sp. z o.o.**
 Address: **Wykroty, ul. Wyzwolenia 46, 59-730 Nowogrodziec**
 Test specimen: **Door „System NovoFire EI30 Thermo”**
 Glazed: Polflam EI30/ frame 16 Ar / 6 mm Thermo ESG

Measurement date: **24.03.2017**

Description of the test facility, test specimen and test arrangement:

Size of test specimen: **2400 x 2300 mm**

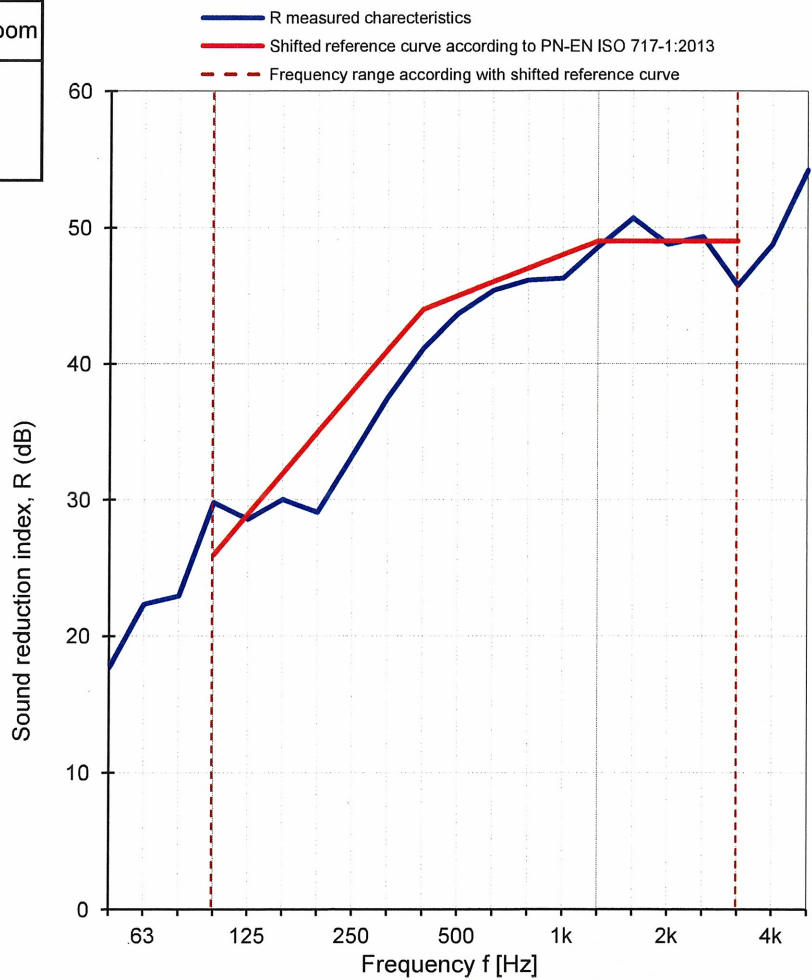
Test specimen mounted by: **Client**

Mass per unit area: **-- kg/m²**

The surface area of test specimen: **5,67 m²**

Parameter	Receiving room	Source room
Air temp. [°C]	19,4	19,7
Humidity [%]	48	47
Pressure [hPa]	1030	1030
Volume [m ³]	324	372

Frequency [Hz]	Test results with uncertainty	
	R [dB]	U _{CR} [dB]
50	17,7	3,0
63	22,4	2,6
80	23,0	3,2
100	29,8	3,1
125	28,6	2,6
160	30,1	2,4
200	29,1	2,0
250	33,3	2,1
315	37,5	2,3
400	41,1	2,0
500	43,7	2,2
630	45,4	2,3
800	46,1	2,0
1000	46,3	2,1
1250	48,6	2,0
1600	50,7	2,1
2000	48,8	1,9
2500	49,3	2,0
3150	45,7	2,0
4000	48,8	2,0
5000	54,2	2,0



Measurement uncertainty of sound reduction U_{CR}
 Confidence level 95% at coverage factor, k=2

Weighted sound reduction index in accordance with PN-EN ISO 717-1:2013

R_w (C; C_{tr}) = 45 (-2; -6) dB C₅₀₋₃₁₅₀ = -2 dB C₅₀₋₅₀₀₀ = -2 dB C₁₀₀₋₅₀₀₀ = -1 dB
 C_{tr, 50-3150} = -9 dB C_{tr, 50-5000} = -9 dB C_{tr, 100-5000} = -6 dB

GRYFITLAB Sp. z o.o. Laboratory of Acoustics

No. of test specimen: GLA-1313/17

Date: 24.03.2017

Signature: Krzysztof Mech

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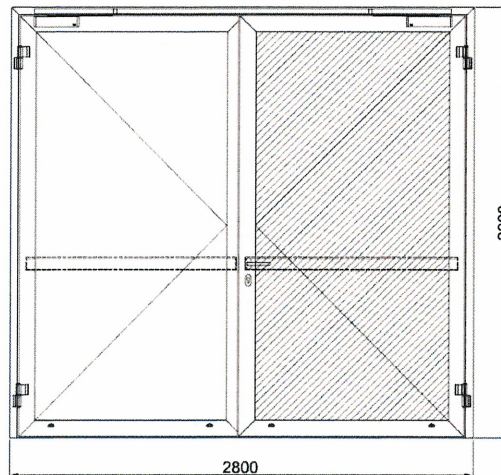
CLASSIFICATION N^o 05-01767/16/Z00NZE

SYSTEM: Novoferm GmbH
PROVIDER: Isselburger Str. 31
46459 Rees – Germany

PRODUCER: Novoferm Door Sp. z o. o.
ul. Wyzwolenia 46 Wykroty
59-730 Nowogrodziec – Poland

SYSTEM: NovoFire[®] EI30 Thermo
Thermally insulated aluminium profiles

PRODUCT: Double fire door (inside opening)
External dimensions – SxH = 2800x2600 mm



filling: glass: 42mm (Polfarm EI 30 Termo, 1201 x 2382, 150kg), panel: 37mm (panel, combination : Aestuver 30 mm + 2 x 3mm bl.stal. – 190kg)
HARDWARE: hinges 2/for leaf: SAVIO 67/20,5; panic lock BKS B 1831 (panic touch bar B7441 wg PN-EN 1125)

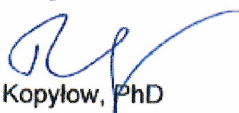
CONSTRUCTION ELEMENTS ENGINEERING ITB DEPARTMENT / BUILDING ELEMENTS LABORATORY
confirms door test results in accordance with resistance to repeated opening and closing –
PN-EN 1191:2013

Range of Tests		Classification	Classification standard	Intended use
Properties	Test Method			
Resistance to repeated opening and closing	PN-EN 1191:2013-06E	Class 6 (200 000 cycles)	PN-EN 12400:2004	Doors without smoke leakage characteristics
		Class C5 (200 000 cycles)	PN-EN 14600:2009	Doors with smoke leakage characteristics
		Class 5 (200 000 cycles)	PN-EN 16034:2014-11	

The test results are in accordance with the test report No. LZE05-01767/16/Z00NZE.
The test results included in the test report confirms the mechanical stability of the tested door in terms of 200 000 cycles of opening and closing.
Classification is valid also for identical or similar construction with a surface area -100% in relation to the entire structure and wings of the structure. Classification includes single-leaf and double-leaf doors with equivalent hardware.

Responsible for the tests: Marzena Jakimowicz, Msc. eng.

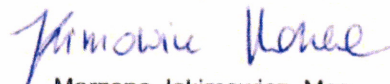
Authorizing Person


Oleksij Kopyłow, PhD

the validity expires at: 10.03.2022

Warsaw 09.03.2017*

ITB Construction Element Engineering
Department Head, Laboratory Head


Marzena Jakimowicz, Msc

* The validity of this Classification expires in case of change of manufactured assortment, components and/or technology.
Classification specified above should be confirmed in FPC.

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CONSTRUCTION ELEMENTS ENGINEERING DEPARTMENT

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00-611 Warszawa | ul. Filtrowa 1 | tel. 22 825 04 71 | fax 22 825 52 86 | Dyrektor tel. 22 825 28 85 | 22 825 13 03 | fax 22 825 77 30 |
KRS: 0000158785 | Regon: 000063650 | NIP: 5250009358 |



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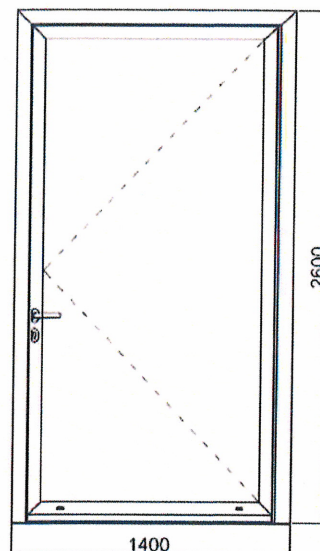
CLASSIFICATION N^o 02-01767/16/Z00NZE

SYSTEM: Novoferm GmbH
PROVIDER: Isselburger Str. 31
46459 Rees – Germany

PRODUCER: Novoferm Door Sp. z o. o.
ul. Wyzwolenia 46 Wykroty
59-730 Nowogrodzic – Poland

SYSTEM: NovoFire[®] EI30 Thermo
Thermally insulated aluminium profiles

PRODUCT: External single fire door (inside opening)
External dimensions – SxH = 1400x2600 mm




CONSTRUCTION ELEMENT ENGINEERING DEPARTMENT ITB / BUILDING ELEMENTS LABORATORY
confirms ITT window test results in accordance with the product standard PN-EN 14351-1+A1:2010
clause 4.2, 4.5, 4.7, 4.14

Range of tests		Classification	Classification standard
Properties	Test method		
Initial type testing (ITT)			
Air permeability	PN-EN 1026:2016	Class 3	PN-EN 12207:2001
Watertightness	PN-EN 1027:2016	Class 3A (100Pa)	PN-EN 12208:2001
Resistance to wind load - deflection	PN-EN 12211:2016	C2 (800Pa) / B2 (800Pa)	PN-EN 12210:2016
Safety test		+/-1200 Pa	
Resistance to impact soft and heavy body	From the inside	PN-EN 13049:2004	PN-EN 13049:2004
	From the outside		

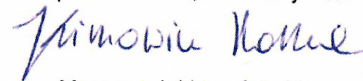
The test results are in accordance with the test report No. LZE02-01767/16/Z00NZE.
These results refer to tested properties can be used for CE marking, in accordance with the rules specified in the product standard EN 14351-1+A1:2010 - Annexes A,E and F.

Responsible for the tests: Mcs. eng. Marzena Jakimowicz, eng. Daniel Kuna

Authorizing Person


Ołeksij Kopyłow, PhD

ITB Construction Element Engineering
Department Head, Laboratory Head


Marzena Jakimowicz, Msc

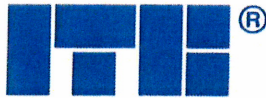
Warsaw, 28.12.2016*

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Filia Poznań | ul. Taczaka 12 | tel. 61 853 76 29 | fax 61 853 78 33 | e-mail: przegrodypozn@itb.pl

- European Notified Body No 1488

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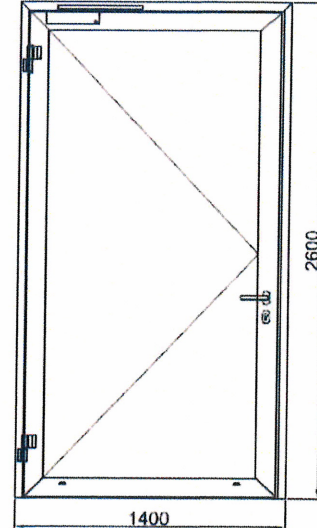
CLASSIFICATION N^o 01-01767/16/Z00NZE

SYSTEM: Novoferm GmbH
PROVIDER: Isselburger Str. 31
46459 Rees – Germany

PRODUCER: Novoferm Door Sp. z o. o.
ul. Wyzwolenia 46 Wykroty
59-730 Nowogrodziec – Poland

SYSTEM: NovoFire[®] EI30 Thermo
Thermally insulated aluminium profiles

PRODUCT: External single fire door (outside opening)
External dimensions – SxH = 1400x2600 mm



CONSTRUCTION ELEMENT ENGINEERING DEPARTMENT ITB / BUILDING ELEMENTS LABORATORY
confirms ITT window test results in accordance with the product standard PN-EN 14351-1+A1:2010
clause 4.2, 4.5, 4.7, 4.14

Range of tests		Test method	Classification	Classification standard
Properties				
Initial type testing (ITT)				
Air permeability		PN-EN 1026:2016	Class 3	PN-EN 12207:2001
Watertightness		PN-EN 1027:2016	Class 4A (150Pa)	PN-EN 12208:2001
Resistance to wind load - deflection		PN-EN 12211:2016	C2 (800Pa) / B2 (800Pa)	PN-EN 12210:2016
Safety test			+/-1200 Pa	
Resistance to impact soft and heavy body	From the inside	PN-EN 13049:2004	Class 5 (950 mm)	PN-EN 13049:2004
	From the outside		Class 5 (950 mm)	

The test results are in accordance with the test report No. LZE01-01767/16/Z00NZE.
These results refer to tested properties can be used for CE marking, in accordance with the rules specified in the product standard EN 14351-1+A1:2010 - Annexes A,E and F.

Responsible for the tests: Mcs. eng. Marzena Jakimowicz, eng. Daniel Kuna

Authorizing Person

Oleksij Kopyłow, PhD

ITB Construction Element Engineering
Department Head, Laboratory Head

Marzena Jakimowicz, Msc

Warsaw, 28.12.2016*

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02-656 Warsaw | ul. Ksawerów 21 | tel. 22 843 14 71 | fax 22 843 29 31 | KRS: 0000158785 | Regon: 000063650 | NIP: 525 000 93 58 |
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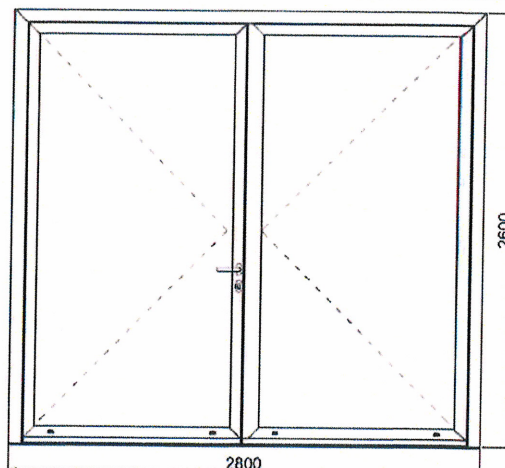
CLASSIFICATION № 04-01767/16/Z00NZE

SYSTEM: Novoferm GmbH
PROVIDER: Isselburger Str. 31
46459 Rees – Germany

PRODUCER: Novoferm Door Sp. z o. o.
ul. Wyzwolenia 46 Wykroty
59-730 Nowogrodziec – Poland

SYSTEM: NovoFire® EI30 Thermo
Thermally insulated aluminium profiles

PRODUCT: Double fire door (inside opening)
External dimensions – SxH = 2800x2600 mm



CONSTRUCTION ELEMENT ENGINEERING DEPARTMENT ITB / BUILDING ELEMENTS LABORATORY
confirms ITT window test results in accordance with the product standard PN-EN 14351-1+A1:2010
clause 4.2, 4.5, 4.7, 4.14

Range of tests			Classification	Classification standard
Properties	Test method			
Initial type testing (ITT)				
Air permeability		PN-EN 1026:2016	Class 3	PN-EN 12207:2001
Watertightness		PN-EN 1027:2016	Class 3A (100Pa)	PN-EN 12208:2001
Resistance to wind load - deflection		PN-EN 12211:2016	C3 (1200Pa) / C3(1200Pa)	PN-EN 12210:2016
Safety test			+/-1800 Pa	
Resistance to impact soft and heavy body	Active leaf	From the inside	Class 5 (950mm)	PN-EN 13049:2004
		From the outside	Class 5 (950mm)	
	Passive leaf	From the inside	Class 5 (950mm)	
		From the outside	Class 5 (950mm)	

The test results are in accordance with the test report No. LZE04-01767/16/Z00NZE.
These results refer to tested properties can be used for CE marking, in accordance with the rules specified in the product standard EN 14351-1+A1:2010 - Annexes A,E and F.

Responsible for the tests: Msc. eng. Marzena Jakimowicz, eng. Daniel Kuna

Authorizing Person

Oleksij Kopyłow, PKD

Warsaw, 28.12.2016*

ITB Construction Element Engineering
Department Head, Laboratory Head

Marzena Jakimowicz, Msc

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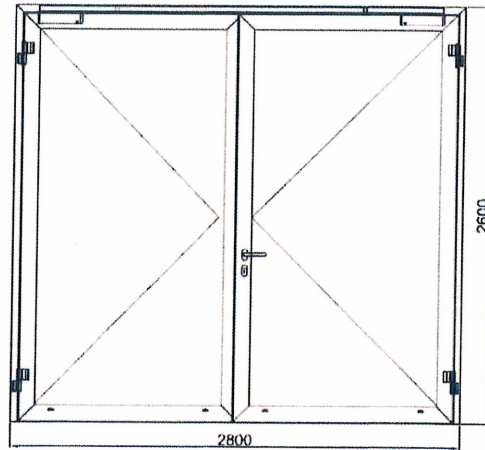
CLASSIFICATION N^o 03-01767/16/Z00NZE

SYSTEM PROVIDER: Novoferm GmbH
Isselburger Str. 31
46459 Rees – Germany

PRODUCER: Novoferm Door Sp. z o. o.
ul. Wyzwolenia 46 Wykroty
59-730 Nowogrodziec – Poland

SYSTEM: NovoFire[®] EI30 Thermo
Thermally insulated aluminium profiles

PRODUCT: Double fire door (outside opening)
External dimensions – SxH = 2800x2600 mm



CONSTRUCTION ELEMENT ENGINEERING DEPARTMENT ITB / BUILDING ELEMENTS LABORATORY
confirms ITT window test results in accordance with the product standard PN-EN 14351-1+A1:2010
clause 4.2, 4.5,4.7, 4.14

Range of tests			Classification	Classification standard
Properties	Test method			
Initial type testing (ITT)				
Air permeability		PN-EN 1026:2016	Class 3	PN-EN 12207:2001
Watertightness		PN-EN 1027:2016	Class 4A (150Pa)	PN-EN 12208:2001
Resistance to wind load - deflection		PN-EN 12211:2016	C3 (1200Pa) /C3(1200Pa)	PN-EN 12210:2016
Safety test			+/-1800 Pa	
Resistance to impact soft and heavy body	Active leaf	From the inside	Class 5 (950mm)	PN-EN 13049:2004
		From the outside	Class 5 (950mm)	
	Passive leaf	From the inside	Class 5 (950mm)	
		From the outside	Class 5 (950mm)	

The test results are in accordance with the test report No. LZE03-01767/16/Z00NZE.
These results refer to tested properties can be used for CE marking, in accordance with the rules specified in the product standard EN 14351-1+A1:2010 - Annexes A,E and F.

Responsible for the tests: Mcs. eng. Marzena Jakimowicz, eng. Daniel Kuna

Authorizing Person

Oleksij Kopyłow, PhD

Warsaw, 28.12.2016*

ITB Construction Element Engineering
Department Head, Laboratory Head

Marzena Jakimowicz, Msc

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ZESPÓŁ LABORATORIÓW BADAWCZYCH
LABORATORIUM ELEMENTÓW BUDOWLANYCH

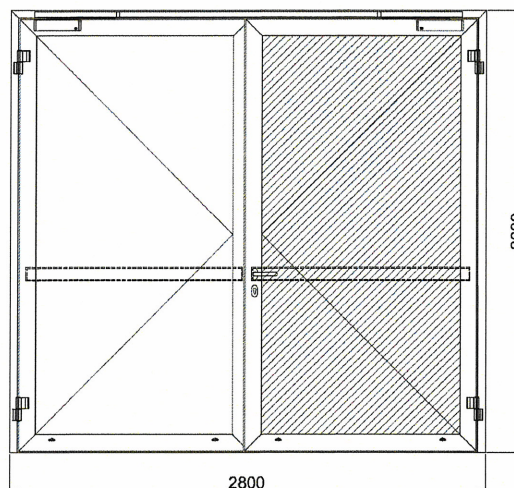
KLASYFIKACJA NR 06-01767/16/Z00NZE

SYSTEMODAWCA: Novoferm GmbH
Isselburger Str.31
46459 Rees – Niemcy

PRODUCENT: Novoferm Door Sp. z o. o.
ul. Wyzwolenia 46 Wykroty
59-730 Nowogrodzic – Polska

SYSTEM: NovoFire® EI30 Thermo
Profile aluminiowe
z przekładką termiczną

WYRÓB: Drzwi przeciwpożarowe dwuskrzydłowe
Wymiary zewnętrzne drzwi – SxH= 2800x2600mm



wypełnienie: szyby: 42mm (Polfarm EI 30 Termo, 1201 x 2382, 150kg), panel: 37mm (panel Aestuver 30 mm + 2 x 3mm bl.stal. – 190kg)

okucia: zawiasy 2/skrzydło: SAVIO 67/20,5; zamknięcie p.panik BKS B 1831 (panik bar B7441 wg PN-EN 1125)

ZAKŁAD INŻYNIERII ELEMENTÓW BUDOWLANYCH ITB / LABORATORIUM ELEMENTÓW BUDOWLANYCH potwierdza przeprowadzenie badań drzwi ww. systemu w zakresie zdolności do zwolnienia wg PN-EN 14351-1+A2:2016 oraz PN-EN 1125:2009

Zakres badań		Właściwość użytkowa	Dokument odniesienia	Zakres zastosowania
Właściwość	Metoda badania			
Zdolność do zwolnienia	PN-EN 1125:2009	bezkolizyjne otwieranie - spełnione	PN-EN 14351-1+A1:2016 PN-EN 1125:2009	Drzwi w zastosowaniach na drogach ewakuacyjnych

Wyniki zawarte są w raporcie z badań LZE06-01767/16/Z00NZE.

Wyniki badań zawarte w ww. raporcie z badań potwierdzają bezkolizyjne otwieranie badanych drzwi w zakresie zdolności do zwolnienia w przypadku zastosowania drzwi na drogach ewakuacyjnych i mogą być wykorzystane do dalszej certyfikacji wyrobu wg PN-EN 14531-1+A2:2016.

Odpowiedzialny za badanie: mgr inż. Marzena Jakimowicz

Osoba autoryzująca

dr inż. Ołeksij Kopyłow

Kierownik Zakładu Inżynierii
Elementów Budowlanych ITB
Kierownik Laboratorium

mgr inż. Marzena Jakimowicz

Termin ważności: 10.03.2020r.

Warszawa, dnia 09.03.2017*

* Dokument traci ważność w przypadku zmiany produkowanego asortymentu, materiałów składowych i/lub technologii.

Podana klasyfikacja powinna by potwierdzana w ramach ZKP.

Klasyfikacja nr 06-01767/16/Z00NZE nie jest dokumentem dopuszczającym do obrotu.

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