

HUECK product pass for doors according to EN 14351-1 document number: 2018-D-08

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Basis

EN 14 351 - 1 (2016 - 12)
 Windows and pedestrian doors

Test reports

EHL 2014-11-04-01
 ift 14-002430-PR01
 ift 14-002430-PR02
 ift 14-002430-PR03
 ift 14-002284-PR33
 ift 14-002284-PR34
 ift 14-002284-PR35
 ift 14-002284-PR36
 ift 14-002284-PR37
 ift 14-002284-PR46
 ift 14-003871-PR01
 ift 15-000362-PR01 (Z4)
 ift 15-000362-PR01 (Z6)
 ift 15-003177-PR01/1 bis /3
 ift 15-003177-PR02
 ift 15-003518-PR03
 ift 15-003518-PR04
 ift 15-003518-PR05
 ift 17-000900-PR05
 ift 17-000900-PR06
 ift 17-000900-PR07
 ift 17-000900-PR08
 ift 17-000900-PR09
 ift 17-000900-PR10
 ift 17-000900-PR11
 ift 17-000900-PR12
 ift 17-000900-PR13
 ift 17-000900-PR18
 ift 17-000900-PR19
 ift 17-000900-PR20
 ift 17-000900-PR21
 ift 17-000900-PR22
 ift 17-000900-PR23
 ift 17-000900-PR24
 ift 17-000900-PR25
 ift 17-000900-PR26
 ift 17-000900-PR27
 ift 17-000900-PR28
 PIV 40-55/15
 PIV 45-145/15
 PIV 39-13/16
 PIV 45-57/16
 PIV 45-58/16
 PIV 45-60/18

The HUECK product pass describes general properties of the given product family according to specifications given in the product standard.

The classifications apply to the described specimen shown in the tables and are valid for the defined application range.

For the applicability of classifications local building laws and contractual agreements apply.

Content

The HUECK product pass consists of 14 pages in total:

1. Abstract of properties according to EN 14 351 - 1
2. General information
3. Short description of the product family
4. General survey of properties of the different product families

Customer HUECK System GmbH & Co. KG
 Loher Straße 9
 58511 Lüdenscheid

System **HUECK Lambda DS 075**

Product family single and double leaf door
 inward and outward opening
 With / without top light / side frame

Frame material Aluminum plastic compound

Properties / classifications

Resistance to wind load	Resistance to snow and permanent load	Safety in case of fire	Water tightness	Dangerous substances	Impact load	Load-bearing capacity of safety devices
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up to C4 / B4	npd	npd	up to 7A	see chapter 4	1	npd
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Height and width	Ability to release	Acoustic performance	Thermal performance	Radiation properties	Air permeability	Operating forces
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1)	passed	up to R _w 42 (-1;-5) dB	1)	1)	up to 4	5
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Mechanical strength	Ventilation	Bullet resistance	Explosion resistance	Mechanical durability	Behaviour between different climates	Burglar resistance
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4	npd	npd	npd	8	3(d)/ 3(e)	up to RC 3
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1) project certificate - if required

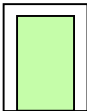
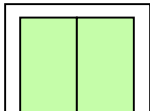
Lüdenscheid, 14th August 2018



i.A.

Henrik Schüppstuhl

1. Abstract of properties according to EN 14351-1

No.	properties	Product family 1		Product family 2	
					
		Single leaf door		Double leaf door	
		Inwards opening	Outwards opening	Inwards opening	Outwards opening
4.2	Resistance to wind load	C2 / B2	C4 / B4	C2 / B2	C1 / B2
4.3	Resistance to snow and permanent load	not applicable			
4.4	Safety in case of fire	npd		npd	
4.5	Water tightness	up to 7A	up to 7A	bis 5A	bis 5A
4.6	Dangerous substances	The manufacturer has to declare substances which when used as prescribed cause danger to hygiene, health or the environment by emission or migration in accordance with the local requirements.			
4.7	Impact resistance	1	npd	npd	npd
4.8	Load-bearing capacity of safety devices	npd	npd	npd	npd
4.9	Height and width	clear width and height to be declared			
4.10	Ability to release	passed	passed	npd	passed
4.11	Acoustic performance	up to Rw 42 (-1;-5) dB	npd	npd	npd
4.12	Thermal performance	U ₀ value for standard size 1.23 m x 2.18 m or 2.00 m x 2.18 m or object-related has to be declares			
4.13	Radiation properties	total energy transmittance g and light transmittance τ are to be declared object-related based on CE marking of glass units			
4.14	Air permeability	up to 4	up to 4	up to 3	up to 3
4.16	Operating forces	5	2	npd	npd
4.17	Mechanical strength	3	4	npd	npd
4.18	Ventilation	npd	npd	npd	npd
4.19	Bullet resistance	npd	npd	npd	npd
4.20	Explosion resistance	npd	npd	npd	npd
4.21	Mechanical durability	5	8	npd	npd
4.22	Behaviour between different climates	3(d) / 3(e)	npd	npd	npd
4.23	Burglar resistance	up to RC 3	up to RC 3	up to RC 3	up to RC 3

2. General information for HUECK system pass

The performance characteristics listed were tested and classified in accordance with the product standard EN 14351-1 test and classification standards by approved testing laboratories.

The product pass is based on test reports mentioned in section 4. The detailed description of the various test specimens are found in the test reports.

The transferral rules are taken from Annex E of the product standard EN 14351-1.

3. Product family

3.1 Short description of the door system HUECK Lambda DS 075

This short description summarises the main features of the system series Lambda DS 075.

Frame material	Aluminium plastic compound			
Profile depth	DS 075	DS 075 FD	DS 075 RD	DS 075 CD
Fixed frame	75 mm	75 mm	95 mm	85/95 mm
Sash profile	75 mm	85 mm	95 mm	85/95 mm
Frame connection	Sash profile mitred on top (sash profile on four sides: top and bottom), connected with corner brackets, nailed and glued, bottom rail fixed with T- connectors Fixed frame mitred, connected with corner brackets, nailed and glued, threshold profile screwed with fixed frame			
Gaskets				
Fixed frame	rebate seal profile Z 921 279, EPDM, black, supplier HUECK, jointed with corner pieces at top and bottom			
Overlap gaskets	fixed frame: Z 921 048, EPDM, black, supplier HUECK, sash profile on four sides: circumferential, with corner pieces sash with bottom rail: three sides, glued with corner pieces Z 921 079, butt jointed with corner pieces at bottom			
Threshold	Z 921 304, EPDM, black, supplier HUECK, glued with corner pieces			
Glazing				
Glazing	insulated glass or panels with a thickness of 8 - 53 mm (FD, RD and CD up to 63 mm)			
External glazing gasket	gasket profile Z 921 511, Z 921 677 or Z 921 001, EPDM black, supplier HUECK, circumferential, butt jointed at top			
Internal glazing gasket	gasket profiles depend on thickness of the glazing, EPDM, black, circumferential, butt jointed at top			
Vapour pressure equalisation	2 x Monodrain at bottom side			

Hardware

Locks	Mortise locks or multi-point locking
Striking plate main lock	single striking plate U shaped
Striking plate secondary lock	single striking plate U shaped
Hinges	two or three part supplementary door hinges barrel door hinges

4. Overview of performance characteristics

Chapter of Product standard EN 14351-1	Variety / Type / Execution	Proof	Value / Class	Application area	
4.2	Resistance to wind load	Single sash, opening inward, with side frame, circumferential sash, external door clear opening dimension 1462 mm x 2271 mm sash frame 1500 mm x 2300 mm fixed frame 2500 mm x 2366 mm	ift 14-002430-PR01 14.07.2016	C2 / B2	Valid for doors with a frame height and width of equal to or less than the tested specimen
		Single sash, opening inward, with side frame, circumferential sash, external door clear opening dimension 1462 mm x 2971 mm sash frame 1500 mm x 3100 mm fixed frame 2500 mm x 3166 mm	ift 14-002430-PR02 15.07.2016	C2 / B2	
		Single sash, opening inward, circumferential sash, with glass filling, front door clear opening dimension 1262 mm x 2171 mm sash frame 1300 mm x 2200 mm fixed frame 1412 mm x 2266 mm	ift 15-003177-PR01/1 25.02.2016	C2 / B2	
		Single sash, opening inward, circumferential sash, with glass filling, front door clear opening dimension 1262 mm x 2171 mm sash frame 1300 mm x 2200 mm fixed frame 1412 mm x 2266 mm	ift 15-003177-PR02 20.11.2015	C2 / B2	
		Single sash, opening inward, circumferential sash, external door clear opening dimension 1262 mm x 2191 mm Flügelrahmen 1300 mm x 2200 mm fixed frame 1412 mm x 2316 mm	ift 15-003518-PR03 11.01.2016	C2 / B2	
		Single sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 1262 mm x 2321 mm sash frame 1300 mm x 2350 mm fixed frame 1412 mm x 2416 mm	ift 17-000900-PR07 08.06.2017	C2 / B2 C1 / B2	
		Single sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 1462 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 1612 mm x 2416 mm	ift 17-000900-PR22 29.01.2018	C2 / B2	
		Single sash, opening inward, with side frame, with bottom rail, , external door clear opening dimension 1462 mm x 2991 mm sash frame 1500 mm x 3100 mm fixed frame 2500 mm x 3166 mm	ift 14-002430-PR03 25.07.2016	C2 / B2	
		Single sash, opening outward, circumferential sash, with glass filling, front door clear opening dimension 1462 mm x 2271 mm sash frame 1500 mm x 2300 mm fixed frame 1612 mm x 2366 mm	ift 14-002284-PR33 24.03.2015	C2 / B2	
		Single sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 1462 mm x 2271 mm sash frame 1500 mm x 2300 mm fixed frame 1612 mm x 2366 mm	ift 14-002284-PR34 26.03.2015	C2 / B2	
		Single sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 1462 mm x 3071 mm sash frame 1500 mm x 3100 mm fixed frame 1612 mm x 3166 mm	ift 14-002284-PR35 26.03.2015	C2 / B2	
		Single sash, opening outward, circumferential sash, safety door (pinch free) clear opening dimension 1294 mm x 2171 mm sash frame 1300 mm x 2200 mm fixed frame 1444 mm x 2266 mm	ift 14-002284-PR46 22.07.2015	C3 / B3	

Chapter of Product standard EN 14351-1		Variety / Type / Execution	Proof	Value / Class	Application area
4.2	Resistance to wind load (continuation)	Single sash, opening outward, with side frame, circumferential sash, external door clear opening dimension 1050 mm x 2071 mm sash frame 1100 mm x 2100 mm fixed frame 2162 mm x 2241 mm	ift 15-003518-PR04 18.01.2016	C4 / B4	Valid for doors with a frame height and width of equal to or less than the tested specimen
		Single sash, opening outward, with side frame, circumferential sash, external door clear opening dimension 1050 mm x 2071 mm sash frame 1100 mm x 2100 mm fixed frame 2162 mm x 2241 mm	ift 15-003518-PR05 18.01.2016	C4 / B4	
		Single sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 1262 mm x 2321 mm sash frame 1300 mm x 2350 mm fixed frame 1412 mm x 2416 mm	ift 17-000900-PR09 20.07.2017	C2 / B2 C2 / B2	
		Single sash, opening outward, with glass filling, treshold with height zero (to provide wheelchair access, external door clear opening dimension 1462 mm x 3091 mm sash frame 1500 mm x 3100 mm fixed frame 1612 mm x 3166 mm	ift 17-000900-PR11 20.09.2017	C2 / B2	
		Double sash, opening inward, with top light, circumferential sash, with glass filling, external door clear opening dimension 2543 mm x 2171 mm sash frame 1300 mm x 2200 mm fixed frame 2693 mm x 2716 mm	ift 14-002284-PR37 26.03.2015	C2 / B2	
		Double sash, opening inward, circumferential sash, with glass filling, external door Lichtes Öffnungsmaß 2943 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR05 13.06.2017	C1 / B2	
		Double sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR06 08.06.2017	B1	
		Double sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 3071 mm sash frame 1500 mm x 3100 mm fixed frame 3093 mm x 3166 mm	ift 17-000900-PR10 17.07.2017	B1	
		Double sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2321 mm Flügelrahmen 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR12 20.09.2017	C1 / B2	
		Double sash, opening inward, circumferential sash, external door clear opening dimension 2943 mm x 2571 mm sash frame 1500 mm x 2600 mm fixed frame 3157 mm x 2666 mm	ift 17-000900-PR13 09.10.2017	C1 / B2 C1 / B1	
		Double sash, opening inward, circumferential sash, external door clear opening dimension 2943 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR18 09.10.2017	C2 / B2	
		Double sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR21 29.01.2018	C1 / B1 C1 / B1	
		Double sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2571 mm sash frame 1500 mm x 2600 mm fixed frame 3093 mm x 2666 mm	ift 17-000900-PR23 19.06.2018	C1 / B2	

Chapter of Product standard EN 14351-1		Variety / Type / Execution	Proof	Value / Class	Application area
4.2	Resistance to wind load (continuation)	Double sash, opening inward, circumferential sash, external door clear opening dimension 2943 mm x 3071 mm sash frame 1500 mm x 3100 mm fixed frame 3093 mm x 3166 mm	ift 17-000900-PR25 19.06.2018	C1 / B1	Valid for doors with a frame height and width of equal to or less than the tested specimen
		Double sash, opening inward, circumferential sash, external door clear opening dimension 2743 mm x 2591 mm sash frame 1500 mm x 2600 mm fixed frame 3093 mm x 2666 mm	ift 17-000900-PR26 27.07.2018	C1 / B1	
		Double sash, opening inward, with bottom rail, external door clear opening dimension 2761 mm x 2591 mm Flügelrahmen 1500 mm x 3100 mm fixed frame 3093 mm x 2666 mm	ift 17-000900-PR27 06.08.2018	C1 / B2	
		Zweiflügelig, nach innen öffnend, with bottom rail, external door clear opening dimension 2743 mm x 3091 mm sash frame 1500 mm x 3100 mm fixed frame 3093 mm x 3166 mm	ift 17-000900-PR28 06.08.2018	C1 / B1	
		Double sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 2543 mm x 2171 mm sash frame 1300 mm x 2200 mm fixed frame 2693 mm x 2266 mm	ift 14-002284-PR36 15.04.2015	C1 / B2	
		Double sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR08 08.06.2017	C1 / B2	
		Double sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2571 mm sash frame 1500 mm x 2600 mm fixed frame 3093 mm x 2666 mm	ift 17-000900-PR19 13.11.2017	C1 / B1	
		Double sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 3071 mm sash frame 1500 mm x 3100 mm fixed frame 3093 mm x 3166 mm	ift 17-000900-PR20 13.11.2017	C1 / B1 C1 / B1	
		Double sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 3071 mm sash frame 1500 mm x 3100 mm fixed frame 3093 mm x 3166 mm	ift 17-000900-PR24 19.06.2018	C1 / B1	
4.3	Resistance to snow and permanent load	N/A	N/A	npd	Only applies to skylight windows
4.4	Safety in case of fire	N/A	N/A	npd	Only applies to skylight windows
4.5	Water tightness	Single sash, opening inward, with side frame, circumferential sash, external door clear opening dimension 1462 mm x 2271 mm sash frame 1500 mm x 2300 mm fixed frame 2500 mm x 2366 mm	ift 14-002430-PR01 14.07.2016	3A / 3A	Valid for doors with an area less than or up to 50% greater than the tested specimen
		Single sash, opening inward, with side frame, circumferential sash, external door clear opening dimension 1462 mm x 2971 mm sash frame 1500 mm x 3100 mm fixed frame 2500 mm x 3166 mm	ift 14-002430-PR02 15.07.2016	4A	

Chapter of Product standard EN 14351-1		Variety / Type / Execution	Proof	Value / Class	Application area
4.5	Water tightness (continuation)	Single sash, opening inward, circumferential sash, with glass filling, front door clear opening dimension 1262 mm x 2171 mm sash frame 1300 mm x 2200 mm fixed frame 1412 mm x 2266 mm	ift 15-003177-PR01/1 25.02.2016	3A	Valid for doors with an area less than or up to 50% greater than the tested specimen
		Single sash, opening inward, circumferential sash, with glass filling, front door clear opening dimension 1262 mm x 2171 mm sash frame 1300 mm x 2200 mm fixed frame 1412 mm x 2266 mm	ift 15-003177-PR02 20.11.2015	3A	
		Single sash, opening inward, circumferential sash, external door clear opening dimension 1262 mm x 2191 mm Flügelrahmen 1300 mm x 2200 mm fixed frame 1412 mm x 2316 mm	ift 15-003518-PR03 11.01.2016	5A	
		Single sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 1262 mm x 2321 mm sash frame 1300 mm x 2350 mm fixed frame 1412 mm x 2416 mm	ift 17-000900-PR07 08.06.2017	7A 3A / 4B	
		Single sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 1462 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 1612 mm x 2416 mm	ift 17-000900-PR22 29.01.2018	4A / 7B	
		Single sash, opening inward, with side frame, with bottom rail, , external door clear opening dimension 1462 mm x 2991 mm sash frame 1500 mm x 3100 mm fixed frame 2500 mm x 3166 mm	ift 14-002430-PR03 25.07.2016	3A	
		Single sash, opening outward, circumferential sash, with glass filling, front door clear opening dimension 1462 mm x 2271 mm sash frame 1500 mm x 2300 mm fixed frame 1612 mm x 2366 mm	ift 14-002284-PR33 24.03.2015	7A	
		Single sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 1462 mm x 2271 mm sash frame 1500 mm x 2300 mm fixed frame 1612 mm x 2366 mm	ift 14-002284-PR34 26.03.2015	5A	
		Single sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 1462 mm x 3071 mm sash frame 1500 mm x 3100 mm fixed frame 1612 mm x 3166 mm	ift 14-002284-PR35 26.03.2015	4A	
		Single sash, opening outward, circumferential sash, safety door (pinch free) clear opening dimension 1294 mm x 2171 mm sash frame 1300 mm x 2200 mm fixed frame 1444 mm x 2266 mm	ift 14-002284-PR46 22.07.2015	5A	
		Single sash, opening outward, with side frame, circumferential sash, external door clear opening dimension 1050 mm x 2071 mm sash frame 1100 mm x 2100 mm fixed frame 2162 mm x 2241 mm	ift 15-003518-PR04 18.01.2016	4A	
		Single sash, opening outward, with side frame, circumferential sash, external door clear opening dimension 1050 mm x 2071 mm sash frame 1100 mm x 2100 mm fixed frame 2162 mm x 2241 mm	ift 15-003518-PR05 18.01.2016	4A	
		Single sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 1262 mm x 2321 mm sash frame 1300 mm x 2350 mm fixed frame 1412 mm x 2416 mm	ift 17-000900-PR09 20.07.2017	3A / 4B 3A / 4B	

Chapter of Product standard EN 14351-1	Variety / Type / Execution	Proof	Value / Class	Application area	
4.5	Water tightness (continuation)	Single sash, opening outward, mit Sockelprofi, with glass filling, treshold with height zero (to provide wheelchair access, external door clear opening dimension 1462 mm x 3091 mm sash frame 1500 mm x 3100 mm fixed frame 1612 mm x 3166 mm	ift 17-000900-PR11 20.09.2017	4A / 4B	Valid for doors with an area less than or up to 50% greater than the tested specimen
		Double sash, opening inward, with top light, circumferential sash, with glass filling, external door clear opening dimension 2543 mm x 2171 mm sash frame 1300 mm x 2200 mm fixed frame 2693 mm x 2716 mm	ift 14-002284-PR37 26.03.2015	4A	
		Double sash, opening inward, circumferential sash, with glass filling, external door Lichtes Öffnungsmaß 2943 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR05 13.06.2017	5A / 7B	
		Double sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR06 08.06.2017	1A / 3B	
		Double sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 3071 mm sash frame 1500 mm x 3100 mm fixed frame 3093 mm x 3166 mm	ift 17-000900-PR10 17.07.2017	2A / 4B	
		Double sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2321 mm Flügelrahmen 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR12 20.09.2017	2A / 6B	
		Double sash, opening inward, circumferential sash, external door clear opening dimension 2943 mm x 2571 mm sash frame 1500 mm x 2600 mm fixed frame 3157 mm x 2666 mm	ift 17-000900-PR13 09.10.2017	2A / 3B 2A / 3B	
		Double sash, opening inward, circumferential sash, external door clear opening dimension 2943 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR18 09.10.2017	2A	
		Double sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR21 29.01.2018	3A / 3B 1A / 3B	
		Double sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2571 mm sash frame 1500 mm x 2600 mm fixed frame 3093 mm x 2666 mm	ift 17-000900-PR23 19.06.2018	2A / 3B	
		Double sash, opening inward, circumferential sash, external door clear opening dimension 2943 mm x 3071 mm sash frame 1500 mm x 3100 mm fixed frame 3093 mm x 3166 mm	ift 17-000900-PR25 19.06.2018	2A / 3B	
		Double sash, opening inward, circumferential sash, external door clear opening dimension 2743 mm x 2591 mm sash frame 1500 mm x 2600 mm fixed frame 3093 mm x 2666 mm	ift 17-000900-PR26 27.07.2018	C1 / B1	

Chapter of Product standard EN 14351-1		Variety / Type / Execution	Proof	Value / Class	Application area
4.5	Water tightness (continuation)	Double sash, opening inward, with bottom rail, external door clear opening dimension 2761 mm x 2591 mm Flügelrahmen 1500 mm x 3100 mm fixed frame 3093 mm x 2666 mm	ift 17-000900-PR27 06.08.2018	C1 / B2	Valid for doors with an area less than or up to 50% greater than the tested specimen
		Zweiflügelig, nach innen öffnend, with bottom rail, external door clear opening dimension 2743 mm x 3091 mm sash frame 1500 mm x 3100 mm fixed frame 3093 mm x 3166 mm	ift 17-000900-PR28 06.08.2018	C1 / B1	
		Double sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 2543 mm x 2171 mm sash frame 1300 mm x 2200 mm fixed frame 2693 mm x 2266 mm	ift 14-002284-PR36 15.04.2015	5A	
		Double sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR08 08.06.2017	3A / 5B	
		Double sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2571 mm sash frame 1500 mm x 2600 mm fixed frame 3093 mm x 2666 mm	ift 17-000900-PR19 13.11.2017	4A / 7B	
		Double sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 3071 mm sash frame 1500 mm x 3100 mm fixed frame 3093 mm x 3166 mm	ift 17-000900-PR20 13.11.2017	3A / 7B 7A	
		Double sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 3071 mm sash frame 1500 mm x 3100 mm fixed frame 3093 mm x 3166 mm	ift 17-000900-PR24 19.06.2018	1A / 4B	
4.6	Dangerous substances	The manufacturer has to declare substances which when used as prescribed cause danger to hygiene, health or the environment by emission or migration in accordance with the local requirements.			
4.7	Impact resistance	Single sash front door, opening inward, circumferential sash, filled with glass Clear opening dimension 1262 mm x 2171 mm Sash 1300 mm x 2200 mm Fixed frame 1412 mm x 2266 mm	ift 15-003177-PR01/1 25.02.2016	1	transferable to doors with bigger total area
4.8	Load-bearing capacity of safety devices			npd	
4.9	Width and height	Declaration of clear width and height in mm			
4.10	Ability to release	single or double sash, opening outward Sash 350 to 1500 mm x 350 to 3100 mm weight of sash up to 250 kg	ift 14-003871-PR01 09.05.2016	passed	Only applies to exterior doors in escape and rescue routes (external factory production control)
4.11	Acoustic performance	Single sash with lowerable floor seal, circumferential gasket on 3 sides Sash 880 mm x 2044 mm Fixed frame 990 mm x 2110 mm R _{w,Glas} 45 dB	ift 15-000362-PR01 (Z4) 07.04.2015	R _w = 37 (-2;-3) dB	circumferential gasket on 3 sides: valid for doors with an area less than or equal to the tested specimen
		- with additional sealing strips Single sash, inward opening, circumferential sash,	ift 15-000362-	R _w = 39 (-2;-4) dB	circumferential gasket on 4 sides: valid for doors with an area less than or up to 50% greater than the tested specimen

Chapter of Product standard EN 14351-1		Variety / Type / Execution	Proof	Value / Class	Application area
		circumferential gasket on 4 sides Sash 880 mm x 2044 mm Fixed frame 990 mm x 2110 mm $R_{w,Glas}$ 45 dB	PR01 (Z6) 07.04.2015	$R_w = 42$ (-1;-5) dB	
4.12	Thermal performance	$U_f = 1.0 - 3.1 \text{ W/m}^2\text{K}$	EHL 2014-11-04-01 24.11.2014	Project certificate	Calculation according to EN ISO 10077-2 for the reference size 1.23 m x 2.18 m elements can be used up to 3.6 m ² and for the reference size 2.00 m x 2.18 m can be transferred to elements greater 3.6 m ² .
4.13	Radiation properties	Transferred from CE marking of glass units	N/A	project certificate	Applicable to all sizes
4.14	Air permeability	Single sash, opening inward, with side frame, circumferential sash, external door clear opening dimension 1462 mm x 2271 mm sash frame 1500 mm x 2300 mm fixed frame 2500 mm x 2366 mm	ift 14-002430-PR01 14.07.2016	3	circumferential gasket on 3 sides: valid for doors with an area less than or equal to the tested specimen
		Single sash, opening inward, with side frame, circumferential sash, external door clear opening dimension 1462 mm x 2971 mm sash frame 1500 mm x 3100 mm fixed frame 2500 mm x 3166 mm	ift 14-002430-PR02 15.07.2016	3	circumferential gasket on 4 sides: valid for doors with an area less than or up to 50% greater than the tested specimen
		Single sash, opening inward, circumferential sash, with glass filling, front door clear opening dimension 1262 mm x 2171 mm sash frame 1300 mm x 2200 mm fixed frame 1412 mm x 2266 mm	ift 15-003177-PR01/1 25.02.2016	4 / 4 / 4	
		Single sash, opening inward, circumferential sash, with glass filling, front door clear opening dimension 1262 mm x 2171 mm sash frame 1300 mm x 2200 mm fixed frame 1412 mm x 2266 mm	ift 15-003177-PR02 20.11.2015	4	
		Single sash, opening inward, circumferential sash, external door clear opening dimension 1262 mm x 2191 mm Flügelrahmen 1300 mm x 2200 mm fixed frame 1412 mm x 2316 mm	ift 15-003518-PR03 11.01.2016	4	
		Single sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 1262 mm x 2321 mm sash frame 1300 mm x 2350 mm fixed frame 1412 mm x 2416 mm	ift 17-000900-PR07 08.06.2017	3 / 2	
		Single sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 1462 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 1612 mm x 2416 mm	ift 17-000900-PR22 29.01.2018	4	
		Single sash, opening inward, with side frame, with bottom rail, , external door clear opening dimension 1462 mm x 2991 mm sash frame 1500 mm x 3100 mm fixed frame 2500 mm x 3166 mm	ift 14-002430-PR03 25.07.2016	4	
		Single sash, opening outward, circumferential sash, with glass filling, front door clear opening dimension 1462 mm x 2271 mm sash frame 1500 mm x 2300 mm fixed frame 1612 mm x 2366 mm	ift 14-002284-PR33 24.03.2015	3	
		Single sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 1462 mm x 2271 mm sash frame 1500 mm x 2300 mm fixed frame 1612 mm x 2366 mm	ift 14-002284-PR34 26.03.2015	3	

Chapter of Product standard EN 14351-1		Variety / Type / Execution	Proof	Value / Class	Application area
4.14	Air permeability (continuation)	Single sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 1462 mm x 3071 mm sash frame 1500 mm x 3100 mm fixed frame 1612 mm x 3166 mm	ift 14-002284-PR35 26.03.2015	4	circumferential gasket on 3 sides: valid for doors with an area less than or equal to the tested specimen
		Single sash, opening outward, circumferential sash, safety door (pinch free) clear opening dimension 1294 mm x 2171 mm sash frame 1300 mm x 2200 mm fixed frame 1444 mm x 2266 mm	ift 14-002284-PR46 22.07.2015	4	circumferential gasket on 4 sides: valid for doors with an area less than or up to 50% greater than the tested specimen
		Single sash, opening outward, with side frame, circumferential sash, external door clear opening dimension 1050 mm x 2071 mm sash frame 1100 mm x 2100 mm fixed frame 2162 mm x 2241 mm	ift 15-003518-PR04 18.01.2016	4	
		Single sash, opening outward, with side frame, circumferential sash, external door clear opening dimension 1050 mm x 2071 mm sash frame 1100 mm x 2100 mm fixed frame 2162 mm x 2241 mm	ift 15-003518-PR05 18.01.2016	4	
		Single sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 1262 mm x 2321 mm sash frame 1300 mm x 2350 mm fixed frame 1412 mm x 2416 mm	ift 17-000900-PR09 20.07.2017	3 / 2	
		Single sash, opening outward, bottom rail profile, with glass filling, treshold with height zero (to provide wheelchair access, external door) clear opening dimension 1462 mm x 3091 mm sash frame 1500 mm x 3100 mm fixed frame 1612 mm x 3166 mm	ift 17-000900-PR11 20.09.2017	3	
		Double sash, opening inward, with top light, circumferential sash, with glass filling, external door clear opening dimension 2543 mm x 2171 mm sash frame 1300 mm x 2200 mm fixed frame 2693 mm x 2716 mm	ift 14-002284-PR37 26.03.2015	2	
		Double sash, opening inward, circumferential sash, with glass filling, external door Lichtes Öffnungsmaß 2943 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR05 13.06.2017	2	
		Double sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR06 08.06.2017	1	
		Double sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 3071 mm sash frame 1500 mm x 3100 mm fixed frame 3093 mm x 3166 mm	ift 17-000900-PR10 17.07.2017	2	
		Double sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2321 mm Flügelrahmen 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR12 20.09.2017	2	
		Double sash, opening inward, circumferential sash, external door clear opening dimension 2943 mm x 2571 mm sash frame 1500 mm x 2600 mm fixed frame 3157 mm x 2666 mm	ift 17-000900-PR13 09.10.2017	2 / 1	

Chapter of Product standard EN 14351-1		Variety / Type / Execution	Proof	Value / Class	Application area
4.14	Air permeability (continuation)	Double sash, opening inward, circumferential sash, external door clear opening dimension 2943 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR18 09.10.2017	3	circumferential gasket on 3 sides: valid for doors with an area less than or equal to the tested specimen
		Double sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR21 29.01.2018	2 / 1	circumferential gasket on 4 sides: valid for doors with an area less than or up to 50% greater than the tested specimen.
		Double sash, opening inward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2571 mm sash frame 1500 mm x 2600 mm fixed frame 3093 mm x 2666 mm	ift 17-000900-PR23 19.06.2018	2	
		Double sash, opening inward, circumferential sash, external door clear opening dimension 2943 mm x 3071 mm sash frame 1500 mm x 3100 mm fixed frame 3093 mm x 3166 mm	ift 17-000900-PR25 19.06.2018	2	
		Double sash, opening inward, circumferential sash, external door clear opening dimension 2743 mm x 2591 mm sash frame 1500 mm x 2600 mm fixed frame 3093 mm x 2666 mm	ift 17-000900-PR26 27.07.2018	4	
		Double sash, opening inward, with bottom rail, external door clear opening dimension 2761 mm x 2591 mm Flügelrahmen 1500 mm x 3100 mm fixed frame 3093 mm x 2666 mm	ift 17-000900-PR27 06.08.2018	3	
		Zweiflügelig, nach innen öffnend, with bottom rail, external door clear opening dimension 2743 mm x 3091 mm sash frame 1500 mm x 3100 mm fixed frame 3093 mm x 3166 mm	ift 17-000900-PR28 06.08.2018	2	
		Double sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 2543 mm x 2171 mm sash frame 1300 mm x 2200 mm fixed frame 2693 mm x 2266 mm	ift 14-002284-PR36 15.04.2015	3	
		Double sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2321 mm sash frame 1500 mm x 2350 mm fixed frame 3093 mm x 2416 mm	ift 17-000900-PR08 08.06.2017	2	
		Double sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 2571 mm sash frame 1500 mm x 2600 mm fixed frame 3093 mm x 2666 mm	ift 17-000900-PR19 13.11.2017	2	
		Double sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 3071 mm sash frame 1500 mm x 3100 mm fixed frame 3093 mm x 3166 mm	ift 17-000900-PR20 13.11.2017	2 / 2	
		Double sash, opening outward, circumferential sash, with glass filling, external door clear opening dimension 2943 mm x 3071 mm sash frame 1500 mm x 3100 mm fixed frame 3093 mm x 3166 mm	ift 17-000900-PR24 19.06.2018	1	

Chapter of Product standard EN 14351-1		Variety / Type / Execution	Proof	Value / Class	Application area
4.16	Operating forces	Single Sash door Sash 1400 mm x 2600 mm Fixed frame 1512 mm x 2666 mm	PIV 40-55/15 11.09.2015	2	Valid for doors with an area less than or equal to the tested specimen
		Single sash front door, opening inward, circumferential sash, filled with glas Clear opening dimension 1262 mm x 2171 mm Sash 1300 mm x 2200 mm Fixed frame 1412 mm x 2266 mm	ift 15-003177-PR01/1 25.02.2016	5	
4.17	Mechanical strength	Single Sash door Sash 1400 mm x 2600 mm Fixed frame 1512 mm x 2666 mm Resistance to vertical load / torsion Resistance to light or heavy impactor	PIV 40-55/15 11.09.2015	3 4	Valid for doors with an area less than or equal to the tested specimen
		Single sash front door, opening inward, circumferential sash, filled with glas Clear opening dimension 1262 mm x 2171 mm Sash 1300 mm x 2200 mm Fixed frame 1412 mm x 2266 mm Resistance to vertical load / torsion Resistance to light or heavy impactor	ift 15-003177-PR01/1 25.02.2016	3 3	
4.18	Ventilation			npd	
4.19	Bullet resistance			npd	
4.20	Explosion resistance			npd	
4.21	Mechanical durability	Single sash front door, opening inward, circumferential sash, filled with glas Clear opening dimension 1262 mm x 2171 mm Sash 1300 mm x 2200 mm Fixed frame 1412 mm x 2266 mm	ift 15-003177-PR01/1 25.02.2016	5	Valid for doors with an area less than or equal to the tested specimen
4.22	Behaviour between different climates	Single sash front door, opening inward, circumferential sash, filled with glas Clear opening dimension 1262 mm x 2171 mm Sash 1300 mm x 2200 mm Fixed frame 1412 mm x 2266 mm	ift 15-003177-PR01/1 25.02.2016	3(d) / 3(e)	Transferable to all sizes
4.23	Burglar resistance	Single or double sash, opening inward or outward Sash 900 up to 1300 mm x 1600 up to 3150 mm	PIV 45-57/16 10.03.2017	RC 1 N	Distance between locks equal to or smaller than the tested specimen.
		Single or double sash, opening inward or outward sash 900 up to 1300 mm x 1600 up to 3150 mm	PIV 45-58/16 10.03.2017	RC 2 N RC 2	
		Single or double sash, opening inward or outward sash 900 up to 1500 mm x 1696 up to 3100 mm	PIV 45-145/15 03.03.2017	RC 3	
4.23	Burglar resistance (continuation)	Single sash, opening outward, escape door, panel bonding Sash 950 up to 1350 mm x 1750 up to 25500 mm	PIV 45-60/18 24.05.2018	RC 3	Distance between locks equal to or smaller than the tested specimen.