

HUECK system pass for doors according to EN 14351-1

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Basic principles

EN 14351 - 1 (2016 – 12)
Windows and exterior doors

Test reports

Refer to point 5

Contents

1. Overview
2. General information about the Hueck system pass
3. Brief description of the product family
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5. Overview of performance characteristics
6. Additional certificates

Instructions for use

The Hueck system pass shows the general performance of the designated product family in accordance with the requirements of the product standard.

The classes relate to the item described in the individual certificates and to the application range defined in the Hueck system pass. The performance properties in the listed test certificates have overriding validity. Changes and omissions excepted.

The national building regulations as well as the contractual agreements apply to the application of performance characteristics.

System supplier: HUECK System GmbH & Co. KG

System: HUECK Lambda DS 075

Product family:

Varianten



Variant 1 (inwards)



Variant 1 (outwards)










Variant 2 (inwards)

















Variant 2 (outwards)

Frame material: Aluminium-plastic composite profiles

Properties/classes (according to EN 14351-1)

						
Resistance to wind load	Resistance to snow and constant loads	Fire behaviour	Water tightness	Dangerous substances	Shock resistance	Bearing capacity of safety devices
up to C4 / B4	npd	npd	up to 7A	see section 4	2	npd

						
Height and width of doors and French doors	Release capability	Soundproofing	Thermal transmission coefficient	Radiation properties	Air permeability	Operating forces
1)	passed	up to $R_w = 42$ (-1;-5) dB	1)	1)	up to 4	5

						
Mechanical strength	Ventilation	Bullet resistance	Blast resistance	Long-term reliability test	Behaviour between different climates	Burglar resistance
4	npd	npd	npd	8	3(d)/3(e)	up to RC 3

Additional certificates

see section 6

2. General information on the HUECK system pass

The listed performance characteristics have been tested and assessed by approved test institutes in accordance with the test and classification standards listed in the product standard EN 14351-1 and BSFD and BSFH.





















The test certificates on which the system pass is based are cited in section 4 and 6. Please refer to the test reports for the detailed description of the samples on which the individual tests are based.

Please refer to Annex E of the product standard EN 14351-1 for the transferability rules.

3. Product family










Brief description of the systems	
This brief description summarizes the main system features of the HUECK Lambda DS 075 system.	
Variants	Aluminium-plastic composite
	DS 075 DS 075 FD DS 075 RD DS 075 CD
Profile depth	Fixed frame 75 mm 75 mm 95 mm 85/95 mm Sash frame 75 mm 85 mm 95 mm 85/95 mm
Frame connection	The sash frame is mitred at the top (all-round leaf above and below) and pinned and glued with corner cleats. The bottom rail profile is fixed with t-brackets. The cut frame is cut and pinned and glued with corner cleats, and the threshold profile is screwed to the frame.
Seals	
Frame seal	Centre seal gasket(U-value lock) Z 921279 is notched in the lock area and pushed against shape corners above and below
Rebate gasket	Fixed frame: Z 921048 made of EPDM, black, supplied by Hueck, allround sash: all-round, with corner mouldings Leaf with bottom rail profile: three-sided, glued on top with corner pieces Z 921079, stump cut at the bottom and pushed against corner mouldings
Threshold gasket	Three-sided Z 921304 made of EPDM, black, supplied by Hueck, glued with leaf sealing corner
Glazing	Multi-pane insulating glass or panels with an element thickness of 8 - 53 mm (FD, RD and CD up to 63 mm)
External glazing gasket	Sealing profile Z 923882, Z 923881 or Z 923883, black EPDM, allround, butt jointed at the top centre, supplied by Hueck
Internal glazing gasket	Sealing profile depending on the glazing thickness, black EPDM, allround, butt jointed at the top centre, supplied by Hueck
Vapour pressure equalisation	2 x mono drain on both sides below
Fitting	
Lock	Pipe frame lock or multi-point lock
Main striking plate	Single striking plate U-front plate
Side striking plate	Single striking plate U-front plate
Hinges	Two-part or three-part surface-mounted hinges, barrel hinges

4. Results according to EN 14351-1

	Section of the product standard EN 14351-1		Standard	Product family			
							
				Single-leaf door Variant 1		Double-leaf door Variant 2	
				opening in	opening out	opening in	opening out
	4.2	Resistance to wind load	EN 12210	C2/B2	C4/B4	C2/B2	C1/B2
	4.3	Resistance to snow and continuous loads		npd			
	4.4	Fire properties		npd			
	4.5	Water tightness	EN 12208	up to 7A	up to 7A	up to 5A/7B	up to 7A
	4.6	Dangerous substances		Depending on the requirements of the country of destination, the manufacturer must declare the substances that, when used as intended, pose a risk to hygiene, health or the environment through emissions or displacement			
	4.7	Shock resistance	EN 13049	2			
	4.8	Bearing capacity of safety devices		npd			
	4.9	Height and width of doors and French doors		1)			
	4.10	Ability to release		passed	passed	npd	passed
	4.11	Sound-proofing		up to $R_w = 42$ (-1;-5) dB	npd		
	4.12	Coefficient of heat transmission		The U_0 values will comply with the standard dimensions of 1.23 mx 2.18 m or 2.00 mx 2.18 m based on the object			
	4.13	Radiative properties		Evidence of the CE mark on the glazing			
	4.14	Air permeability	EN 12207	up to 4	up to 4	up to 4	up to 3
	4.16	Operating forces	EN 12217	5	2	5	5
	4.17	Mechanic solidity	EN 1192	3	4	3	3
	4.18	Ventilation		npd			

1) object-related evidence - if required


4. Results according to EN 14351-1

	Section of the product standard EN 14351-1		Standard	Product family			
				Single-leaf door Variant 1		Double-leaf door Variant 2	
				opening in	opening out	opening in	opening out
							
				Single-leaf door Variant 1		Double-leaf door Variant 2	
				opening in	opening out	opening in	opening out
	4.19	Bullet resistance	EN 1522	npd			
	4.20	Blast resistance	EN 13123-1 EN 13123-2	npd			
	4.21	Long-term reliability test	EN 12400	5	8	npd	6
	4.22	Reaction to different climates	EN 12219	3(d)/3(e)	npd		
	4.23	Burglar resistance	EN 1627	up to RC 3			
	4.24	Special requirements					

5. An overview of performance characteristics

	Section of the product standard EN 14351-1	Variant / Type / Design	Value / Class	Evidence	Application range
	4.2 Resistance to wind load	Single-leaf, opening in, with a fixed field on the side, all-round leaf, outer door Clear opening dimension: 1462 mm x 2271 mm Sash frame: 1500 mm x 2300 mm Fixed frame dimensions: 2500 mm x 2366 mm	C2 / B2	ift 14-002430-PR01 14.07.2016	Transfer to -100% of the frame width and frame height of the test sample.
		Single-leaf, opening in, with a fixed field on the side, all-round leaf, outer door Clear opening dimension: 1462 mm x 2971 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 2500 mm x 3166 mm	C2 / B2	ift 14-002430-PR02 15.07.2016	The deflection of mullions and transoms can also be mathematically calculated.
		Single-leaf, opening in, all-round leaf, with glass filling, front door Clear opening dimension: 1262 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 1412 mm x 2266 mm	C2 / B2	ift 15-003177-PR01/1 19.11.2018	The dimensions based on expert opinions must be observed.
		Single-leaf, opening in, all-round leaf, with glass filling, front door Clear opening dimension: 1262 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 1412 mm x 2266 mm	C2 / B2	ift 15-003177-PR02 20.11.2015	
		Single-leaf, opening in, all-round leaf, outer door Clear opening dimension: 1262 mm x 2191 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 1412 mm x 2316 mm	C2 / B2	ift 15-003518-PR03 11.01.2016	
		Single-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 1262 mm x 2321 mm Sash frame: 1300 mm x 2350 mm Fixed frame dimensions: 1412 mm x 2416 mm	C2 / B2 C1 / B2	ift 17-000900-PR07 08.06.2017	
		Single-leaf, opening in, all-round leaf, with glass filling, Outer door Clear opening dimension: 1462 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 1612 mm x 2416 mm	C2 / B2	ift 17-000900-PR22 29.01.2018	
		Single-leaf, opening in, with fixed side panel, with bottom rail profile, outer door Clear opening dimension: 1462 mm x 2991 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 2500 mm x 3166 mm	C2 / B2	ift 14-002430-PR03 25.07.2016	
		Single-leaf, opening out, all-round leaf, with glass filling, front door Clear opening dimension: 1462 mm x 2271 mm Sash frame: 1500 mm x 2300 mm Fixed frame dimensions: 1612 mm x 2366 mm	C2 / B2	ift 14-002284-PR33 24.03.2015	
		Single-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 1462 mm x 2271 mm Sash frame: 1500 mm x 2300 mm Fixed frame dimensions: 1612 mm x 2366 mm	C2 / B2	ift 14-002284-PR34 26.03.2015	
		Single-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 1462 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 1612 mm x 3166 mm	C2 / B2	ift 14-002284-PR35 26.03.2015	
		Single-leaf, opening out, all-round leaf, finger protection door Clear opening dimension: 1294 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 1444 mm x 2266 mm	C3 / B3	ift 14-002284-PR46 22.07.2015	
		Single-leaf, opening out, with a fixed field on the side, all-round leaf, outer door Clear opening dimension: 1050 mm x 2071 mm Sash frame: 1100 mm x 2100 mm Fixed frame dimensions: 2162 mm x 2241 mm	C4 / B4	ift 15-003518-PR04 18.01.2016	




5. An overview of performance characteristics

	Section of the product standard EN 14351-1	Variant / Type / Design	Value / Class	Evidence	Application range
	4.2 Resistance to windload (Continuation)	Single-leaf, opening out, with a fixed field on the side, all-round leaf, outer door Clear opening dimension: 1050 mm x 2071 mm Sash frame: 1100 mm x 2100 mm Fixed frame dimensions: 2162 mm x 2241 mm	C4 / B4	ift 15-003518-PR05 18.01.2016	Transfer to -100% of the frame width and frame height of the test sample. The deflection of mullions and transoms can also be mathematically calculated. The dimensions based on expert opinions must be observed.
		Single-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 1262 mm x 2321 mm Sash frame: 1300 mm x 2350 mm Fixed frame dimensions: 1412 mm x 2416 mm	C2 / B2 C2 / B2	ift 17-000900-PR09 20.07.2017	
		Single-leaf, opening out, with bottom rail profile with glass filling, zero threshold, outer door Clear opening dimension: 1462 mm x 3091 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 1612 mm x 3166 mm	C2 / B2	ift 17-000900-PR11 20.09.2017	
		Single-leaf, opening in and out Brush seal and zero threshold Sash frame: 1500 mm x 3100 mm	up to C2	ift 17-000900-PR29 30.09.2021	
		Single-leaf, opening in and out without threshold and semicircular threshold Sash frame: 1500 mm x 3100 mm	up to C2	ift 17-000900-PR34 30.09.2021	
		Single-leaf, opening in and out Finger protection door with rebate threshold Sash frame: 1500 mm x 3100 mm	up to C2	ift 17-000900-PR30 30.09.2021	
		Double-leaf, opening in, with skylight, all-round leaf, with glass filling, outer door Clear opening dimension: 2543 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 2693 mm x 2716 mm	C2 / B2	ift 14-002284-PR37 26.03.2015	
		Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	C1 / B2	ift 17-000900-PR05 13.06.2017	
		Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	B1	ift 17-000900-PR06 08.06.2017	
		Double-leaf, opening in, all-round leaf, with glass filling Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	B1	ift 17-000900-PR10 17.07.2017	
		Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	C1 / B2	ift 17-000900-PR12 20.09.2017	
		Double-leaf, opening in, all-round leaf Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3157 mm x 2666 mm	C1 / B2 C1 / B1	ift 17-000900-PR13 09.10.2017	
		Double-leaf, opening in, all-round leaf Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	C2 / B2	ift 17-000900-PR18 09.10.2017	
		Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	C1 / B1 C1 / B1	ift 17-000900-PR21 29.01.2018	


5. An overview of performance characteristics

	Section of the product standard EN 14351-1	Variant / Type / Design	Value / Class	Evidence	Application range
	4.2 Resistance to windload (Continuation)	Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2666 mm	C1 / B2	ift 17-000900-PR23 19.06.2018	Transfer to -100% of the frame width and frame height of the test sample. The deflection of mullions and transoms can also be mathematically calculated. The dimensions based on expert opinions must be observed.
		Double-leaf, opening in, all-round leaf, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	C1 / B1	ift 17-000900-PR25 19.06.2018	
		Double-leaf, opening in, all-round leaf, outer door Clear opening dimension: 2743 mm x 2591 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2666 mm	C1 / B2	ift 17-000900-PR26 27.07.2018	
		Double-leaf, opening in, leaf with bottom rail, outer door Clear opening dimension: 2761 mm x 2591 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 2666 mm	C1 / B2	ift 17-000900-PR27 06.08.2018	
		Double-leaf, opening in, leaf with bottom rail, outer door Clear opening dimension: 2743 mm x 3091 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	C1 / B1	ift 17-000900-PR28 06.08.2018	
		Double-leaf, opening in, leaf with bottom rail, outer door Clear opening dimension: 2943 mm x 2591 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2716 mm	C1 / B2	ift 19-004563-PR01 16.12.2019	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2543 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 2693 mm x 2266 mm	C1 / B2	ift 14-002284-PR36 15.04.2015	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	C1 / B2	ift 17-000900-PR08 08.06.2017	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2666 mm	C1 / B1	ift 17-000900-PR19 13.11.2017	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	C1 / B1 C1 / B1	ift 17-000900-PR20 13.11.2017	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	C1 / B1	ift 17-000900-PR24 19.06.2018	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2666 mm	C1 / B1	ift 17-000900-PR35 05.12.2018	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	C1 / B1	ift 17-000900-PR36 06.12.2018	


5. An overview of performance characteristics

	Section of the product standard EN 14351-1	Variant / Type / Design	Value / Class	Evidence	Application range
	4.2 Resistance to windload (Continuation)	<p>Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm</p> <p>Double-leaf, opening in and out Rebate threshold and zero threshold Sash frame: 1500 mm x 3100 mm</p> <p>Double-leaf, opening in and out without threshold and semicircular threshold Sash frame: 1500 mm x 3100 mm</p> <p>Double-leaf, opening in and out Finger protection door with rebate threshold Sash frame: 1500 mm x 3100 mm</p>	<p>C1 / B1</p> <p>up to C2/B2 up to C1/B2</p> <p>up to C2/B2 up to C1/B2</p> <p>up to C1/B2</p>	<p>ift 19-001562-PR01 16.07.2019</p> <p>ift 17-000900-PR31 10.12.2019</p> <p>ift 17-000900-PR33 10.12.2019</p> <p>ift 17-000900-PR32 10.12.2019</p>	<p>Transfer to -100% of the frame width and frame height of the test sample.</p> <p>The deflection of mullions and transoms can also be mathematically calculated.</p> <p>The dimensions based on expert opinions must be observed.</p>
	4.3 Resistance to snow and continuous loads			npd	Applies only to skylight windows
	4.4 Fire properties			npd	Applies only to skylight windows
	4.5 Water tightness	<p>Single-leaf, opening in, with a fixed field on the side, all-round leaf, outer door Clear opening dimension: 1462 mm x 2271 mm Sash frame: 1500 mm x 2300 mm Fixed frame dimensions: 2500 mm x 2366 mm</p> <p>Single-leaf, opening in, with a fixed field on the side, all-round leaf, outer door Clear opening dimension: 1462 mm x 2971 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 2500 mm x 3166 mm</p> <p>Single-leaf, opening in, all-round leaf, with glass filling, front door Clear opening dimension: 1262 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 1412 mm x 2266 mm</p> <p>Single-leaf, opening in, all-round leaf, with glass filling, front door Clear opening dimension: 1262 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 1412 mm x 2266 mm</p> <p>Single-leaf, opening in, all-round leaf, outer door Clear opening dimension: 1262 mm x 2191 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 1412 mm x 2316 mm</p> <p>Single-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 1262 mm x 2321 mm Sash frame: 1300 mm x 2350 mm Fixed frame dimensions: 1412 mm x 2416 mm</p> <p>Single-leaf, opening in, all-round leaf, with glass filling, Outer door Clear opening dimension: 1462 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 1612 mm x 2416 mm</p> <p>Single-leaf, opening in, with fixed side panel, with bottom rail profile, outer door Clear opening dimension: 1462 mm x 2991 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 2500 mm x 3166 mm</p>	<p>3A / 3A</p> <p>4A</p> <p>3A</p> <p>3A</p> <p>5A</p> <p>7A 3A/4B</p> <p>3A</p> <p>4A/7B</p>	<p>ift 14-002430-PR01 14.07.2016</p> <p>ift 14-002430-PR02 15.07.2016</p> <p>ift 15-003177-PR01/1 19.11.2018</p> <p>ift 15-003177-PR02 20.11.2015</p> <p>ift 15-003518-PR03 11.01.2016</p> <p>ift 17-000900-PR07 08.06.2017</p> <p>ift 14-002430-PR03 25.07.2016</p> <p>ift 17-000900-PR22 29.01.2018</p>	<p>Transfer to -100% to +50% of the total area of the test sample.</p> <p>The dimensions based on expert opinions must be observed.</p>




5. An overview of performance characteristics

	Section of the product standard EN 14351-1	Variant / Type / Design	Value / Class	Evidence	Application range
	4.5 Water tightness (Continuation)	Single-leaf, opening out, all-round leaf, with glass filling, front door Clear opening dimension: 1462 mm x 2271 mm Sash frame: 1500 mm x 2300 mm Fixed frame dimensions: 1612 mm x 2366 mm	7A	ift 14-002284-PR33 24.03.2015	Transfer to -100% to +50% of the total area of the test sample. The dimensions based on expert opinions must be observed.
		Single-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 1462 mm x 2271 mm Sash frame: 1500 mm x 2300 mm Fixed frame dimensions: 1612 mm x 2366 mm	5A	ift 14-002284-PR34 26.03.2015	
		Single-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 1462 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 1612 mm x 3166 mm	4A	ift 14-002284-PR35 26.03.2015	
		Single-leaf, opening out, all-round leaf, finger protection door Clear opening dimension: 1294 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 1444 mm x 2266 mm	5A	ift 14-002284-PR46 22.07.2015	
		Single-leaf, opening out, with a fixed field on the side, all-round leaf, outer door Clear opening dimension: 1050 mm x 2071 mm Sash frame: 1100 mm x 2100 mm Fixed frame dimensions: 2162 mm x 2241 mm	4A	ift 15-003518-PR04 18.01.2016	
		Single-leaf, opening out, with a fixed field on the side, all-round leaf, outer door Clear opening dimension: 1050 mm x 2071 mm Sash frame: 1100 mm x 2100 mm Fixed frame dimensions: 2162 mm x 2241 mm	4A	ift 15-003518-PR05 18.01.2016	
		Single-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 1262 mm x 2321 mm Sash frame: 1300 mm x 2350 mm Fixed frame dimensions: 1412 mm x 2416 mm	3A/4B 3A/4B	ift 17-000900-PR09 20.07.2017	
		Single-leaf, opening out, with bottom rail profile with glass filling, zero threshold, outer door Clear opening dimension: 1462 mm x 3091 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 1612 mm x 3166 mm	4A/4B	ift 17-000900-PR11 20.09.2017	
		Single-leaf, opening in and out Rebate threshold and zero threshold Sash frame: 1500 mm x 3100 mm	up to 5A/7B	ift 17-000900-PR29 30.09.2021	
		Single-leaf, opening in and out Finger protection door with rebate threshold Sash frame: 1500 mm x 3100 mm	up to 2A/3B up to 5A	ift 17-000900-PR30 30.09.2021	
		Double-leaf, opening in, with skylight, all-round leaf, with glass filling, outer door Clear opening dimension: 2543 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 2693 mm x 2716 mm	4A	ift 14-002284-PR37 26.03.2015	
		Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	5A/7B	ift 17-000900-PR05 13.06.2017	
		Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	1A/3B	ift 17-000900-PR06 08.06.2017	
Double-leaf, opening in, all-round leaf, with glass filling Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	2A/4B	ift 17-000900-PR10 17.07.2017			





5. An overview of performance characteristics

	Section of the product standard EN 14351-1	Variant / Type / Design	Value / Class	Evidence	Application range
	4.5 Water tightness (Continuation)	Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	2A/6B	ift 17-000900-PR12 20.09.2017	Transfer to -100% to +50% of the total area of the test sample.
		Double-leaf, opening in, all-round leaf Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3157 mm x 2666 mm	2A/3B 2A/3B	ift 17-000900-PR13 09.10.2017	The dimensions based on expert opinions must be observed.
		Double-leaf, opening in, all-round leaf Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	2A	ift 17-000900-PR18 09.10.2017	
		Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	3A/3B 1A/3B	ift 17-000900-PR21 29.01.2018	
		Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2666 mm	2A/3B	ift 17-000900-PR23 19.06.2018	
		Double-leaf, opening in, all-round leaf Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	2A/3B	ift 17-000900-PR25 19.06.2018	
		Double-leaf, opening in, all-round leaf, outer door Clear opening dimension: 2743 mm x 2591 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2666 mm	3A/7B	ift 17-000900-PR26 27.07.2018	
		Double-leaf, opening in, leaf with bottom rail, outer door Clear opening dimension: 2761 mm x 2591 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 2666 mm	1A/3B	ift 17-000900-PR27 06.08.2018	
		Double-leaf, opening in, leaf with bottom rail, outer door Clear opening dimension: 2743 mm x 3091 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	1A/2B	ift 17-000900-PR28 06.08.2018	
		Double-leaf, opening in, leaf with bottom rail, outer door Clear opening dimension: 2943 mm x 2591 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2716 mm	2A/3B	ift 19-004563-PR01 06.12.2019	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2543 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 2693 mm x 2266 mm	5A	ift 14-002284-PR36 15.04.2015	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	3A/5B	ift 17-000900-PR08 08.06.2017	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2666 mm	4A/7B	ift 17-000900-PR19 13.11.2017	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	3A/7B 7A	ift 17-000900-PR20 13.11.2017	





5. An overview of performance characteristics

	Section of the product standard EN 14351-1	Variant / Type / Design	Value / Class	Evidence	Application range
	4.5 Water tightness (Continuation)	<p>Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm</p> <p>Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2666 mm</p> <p>Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm</p> <p>Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm</p> <p>Double-leaf, opening in and out Rebate threshold and zero threshold Sash frame: 1500 mm x 3100 mm</p> <p>Double-leaf, opening in and out Finger protection door with rebate threshold Sash frame: 1500 mm x 3100 mm</p>	<p>1A/4B</p> <p>4A/7B</p> <p>4A/7B</p> <p>4A/7B</p> <p>up to 5A/7B up to 7A/7B</p> <p>up to 2A/3B</p>	<p>ift 17-000900-PR24 19.06.2018</p> <p>ift 17-000900-PR35 05.12.2018</p> <p>ift 17-000900-PR36 06.12.2018</p> <p>ift 19-001562-PR01 16.07.2019</p> <p>ift 17-000900-PR31 10.12.2019</p> <p>ift 17-000900-PR32 10.12.2019</p>	<p>Transfer to -100% to +50% of the total area of the test sample.</p> <p>The dimensions based on expert opinions must be observed.</p>
	4.6 Dangerous substances	Depending on the requirements of the country of destination, the manufacturer must declare the substances that, when used as intended, pose a risk to hygiene, health or the environment through emissions or displacement.			
	4.7 Shock resistance	<p>Single-leaf, opening in, all-round leaf, with glass filling Clear opening dimension: 1262 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 1412 mm x 2266 mm</p> <p>Single-leaf, opening in and out Rebate threshold and zero threshold Sash frame: 1500 mm x 3100 mm</p> <p>Single-leaf, opening in and out without threshold and semicircular threshold Sash frame: 1500 mm x 3100 mm</p> <p>Single-leaf, opening in and out Finger protection door with rebate threshold Sash frame: 1500 mm x 3100 mm</p> <p>Double-leaf, opening in, with bottom rail profile, with glass filling, external door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm</p> <p>Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm</p> <p>Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm</p>	<p>1</p> <p>2</p> <p>2</p> <p>2</p> <p>1</p> <p>1</p> <p>1</p>	<p>ift 15-003177-PR01/3 19.11.2018</p> <p>ift 17-000900-PR29 30.09.2021</p> <p>ift 17-000900-PR34 30.09.2021</p> <p>ift 17-000900-PR30 30.09.2021</p> <p>ift 17-003598-PR03 18.09.2018</p> <p>ift 17-003598-PR04 18.09.2018</p> <p>ift 17-003598-PR06 18.09.2018</p>	<p>Can be transferred to doors with a larger total area.</p> <p>The dimensions based on expert opinions must be observed.</p>

5. An overview of performance characteristics

	Section of the product standard EN 14351-1	Variant / Type / Design	Value / Class	Evidence	Application range
	4.7 Shock resistance (Continuation)	<p>Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3157 mm x 2666 mm</p> <p>Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2591 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2666 mm</p> <p>Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm</p> <p>Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2666 mm</p> <p>Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm</p> <p>Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm</p> <p>Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2666 mm</p> <p>Double-leaf, opening in and out Rebate threshold and zero threshold Sash frame: 1500 mm x 3100 mm</p> <p>Double-leaf, opening in and out without threshold and semicircular threshold Sash frame: 1500 mm x 3100 mm</p> <p>Double-leaf, opening in and out Finger protection door with rebate threshold Sash frame: 1500 mm x 3100 mm</p>	1 2 1 1 1 1 2 2 2	ift 17-003598-PR14 06.12.2018 ift 19-004563-PR01 06.12.2018 ift 17-003598-PR01 18.09.2018 ift 17-003598-PR02 18.09.2018 ift 17-003598-PR07 18.09.2018 ift 17-003598-PR08 18.09.2018 ift 17-003598-PR12 06.12.2018 ift 17-000900-PR31 10.12.2019 ift 17-000900-PR33 10.12.2019 ift 17-000900-PR32 10.12.2019	Can be transferred to doors with a larger total area.zz The dimensions based on expert opinions must be observed.
	4.8 Bearing capacity of safety devices		npd		
	4.9 Height and width of doors and French doors				The property is to be proven based on the object.
	4.10 Ability to release	Single or double leaf, opening out Leaf 350 to max. 1500 mm x to 3100 mm Sash weight up to 300 kg	passed	ift 14-003871-PR01 07.06.2018	Only applies to outer doors in escape and rescue routes (External supervision is required)


5. An overview of performance characteristics

	Section of the product standard EN 14351-1	Variant / Type / Design	Value / Class	Evidence	Application range
	4.11 Soundproofing	<p>Single-leaf with retractable bottom seal, all-round seal on 3 sides Sash frame: 880 mm x 2044 mm Fixed frame dimensions: 990 mm x 2110 mm Rw, Glass: 45 dB</p> <p>- with additional sealing tape</p> <p>Single-leaf, opening in, all-round leaf, all-round seal on 4 sides Sash frame: 880 mm x 2044 mm Fixed frame dimensions: 990 mm x 2110 mm Rw, Glass: 45 dB</p>	<p>Rw = 37 (-2;-3) dB</p> <p>Rw = 39 (-2;-4) dB</p> <p>Rw = 42 (-1;-5) dB</p>	<p>ift 15-000362-PR01 (Z4) 07.04.2015</p> <p>ift 15-000362-PR01 (Z6) 07.04.2015</p>	<p>With all-round sealing on 3 sides, transferable to -100% to +0% of the total area of the test sample.</p> <p>With all-round sealing on 4 sides, transferable to -100% to +50% of the total area of the test sample.</p>
	4.12 Coefficient of heat transmission	Uf = 1.0 – 3.1 W/m²K		EHL 2014-11-04-01 24.11.2014	<p>The property is to be proven based on the object.</p> <p>Calculation according to EN ISO 10077-2 for the reference size 1.23 m x 2.18 m, can be transferred to elements up to 3.6 m² and for the reference size 2.00 m x 2.18 m to elements over 3.6 m².</p>
	4.13 Radiative properties	Evidence of the CE mark on the glazing			<p>The property is to be proven based on the object.</p> <p>Transferable to all sizes.</p>
	4.14 Air permeability	<p>Single-leaf, opening in, with a fixed field on the side, all-round leaf, outer door Clear opening dimension: 1462 mm x 2271 mm Sash frame: 1500 mm x 2300 mm Fixed frame dimensions: 2500 mm x 2366 mm</p> <p>Single-leaf, opening in, with a fixed field on the side, all-round leaf, outer door Clear opening dimension: 1462 mm x 2971 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 2500 mm x 3166 mm</p> <p>Single-leaf, opening in, all-round leaf, with glass filling, front door Clear opening dimension: 1262 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 1412 mm x 2266 mm</p> <p>Single-leaf, opening in, all-round leaf, with glass filling, front door Clear opening dimension: 1262 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 1412 mm x 2266 mm</p> <p>Single-leaf, opening in, all-round leaf, outer door Clear opening dimension: 1262 mm x 2191 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 1412 mm x 2361 mm</p>	<p>3</p> <p>3</p> <p>4/4/4</p> <p>4</p> <p>4</p>	<p>ift 14-002430-PR01 14.07.2016</p> <p>ift 14-002430-PR02 15.07.2016</p> <p>ift 15-003177-PR01/1 19.11.2018</p> <p>ift 15-003177-PR02 20.11.2015</p> <p>ift 15-003518-PR03 11.01.2016</p>	<p>With all-round sealing on 3 sides, transferable to -100% to +0% of the total area of the test sample.</p> <p>With allround sealing, transferable on 4 sides to -100% to +50% of the total area of the test sample.</p> <p>The dimensions based on expert opinions must be observed.</p>



5. An overview of performance characteristics

	Section of the product standard EN 14351-1	Variant / Type / Design	Value / Class	Evidence	Application range	
	4.14	Air permeability (Continuation)	Single-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 1262 mm x 2321 mm Sash frame: 1300 mm x 2350 mm Fixed frame dimensions: 1412 mm x 2416 mm	3/2	ift 17-000900-PR07 08.06.2017	With all-round sealing on 3 sides, transferable to -100% to +0% of the total area of the test sample. With allround sealing, transferable on 4 sides to -100% to +50% of the total area of the test sample. The dimensions based on expert opinions must be observed.
			Single-leaf, opening in, all-round leaf, with glass filling, Outer door Clear opening dimension: 1262 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 1612 mm x 2416 mm	4	ift 17-000900-PR22 29.01.2018	
			Single-leaf, opening in, with fixed side panel, with bottom rail profile, outer door Clear opening dimension: 1462 mm x 2991 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 2500 mm x 3166 mm	4	ift 14-002430-PR03 25.07.2016	
			Single-leaf, opening out, all-round leaf, with glass filling, front door Clear opening dimension: 1462 mm x 2271 mm Sash frame: 1500 mm x 2300 mm Fixed frame dimensions: 1612 mm x 2366 mm	3	ift 14-002284-PR33 24.03.2015	
			Single-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 1462 mm x 2271 mm Sash frame: 1500 mm x 2300 mm Fixed frame dimensions: 1612 mm x 2366 mm	3	ift 14-002284-PR34 26.03.2015	
			Single-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 1462 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 1612 mm x 3166 mm	4	ift 14-002284-PR35 26.03.2015	
			Single-leaf, opening out, all-round leaf, finger protection door Clear opening dimension: 1294 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 1444 mm x 2266 mm	4	ift 14-002284-PR46 22.07.2015	
			Single-leaf, opening out, with a fixed field on the side, all-round leaf, outer door Clear opening dimension: 1050 mm x 2071 mm Sash frame: 1100 mm x 2100 mm Fixed frame dimensions: 2162 mm x 2241 mm	4	ift 15-003518-PR04 18.01.2016	
			Single-leaf, opening out, with a fixed field on the side, all-round leaf, outer door Clear opening dimension: 1050 mm x 2071 mm Sash frame: 1100 mm x 2100 mm Fixed frame dimensions: 2162 mm x 2241 mm	4	ift 15-003518-PR05 18.01.2016	
			Single-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 1262 mm x 2321 mm Sash frame: 1300 mm x 2350 mm Fixed frame dimensions: 1412 mm x 2416 mm	3/2	ift 17-000900-PR09 20.07.2017	
			Single-leaf, opening out, with bottom rail profile with glass filling, zero threshold, outer door Clear opening dimension: 1462 mm x 3091 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 1612 mm x 3166 mm	3	ift 17-000900-PR11 20.09.2017	
			Single-leaf, opening in and out Rebate threshold and zero threshold Sash frame: 1500 mm x 3100 mm	up to 4	ift 17-000900-PR29 30.09.2021	
			Single-leaf, opening in and out without threshold and semicircular threshold Sash frame: 1500 mm x 3100 mm	up to 3	ift 17-000900-PR34 30.09.2021	
			Single-leaf, opening in and out Finger protection door with rebate threshold Sash frame: 1500 mm x 3100 mm	up to 4	ift 17-000900-PR30 30.09.2021	

5. An overview of performance characteristics

	Section of the product standard EN 14351-1	Variant / Type / Design	Value / Class	Evidence	Application range
	4.14 Air permeability (Continuation)	Double-leaf, opening in, with skylight, all-round leaf, with glass filling, outer door Clear opening dimension: 2543 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 2693 mm x 2716 mm	2	ift 17-000900-PR10 17.07.2017	With all-round sealing on 3 sides, transferable to -100% to +0% of the total area of the test sample.
		Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	2	ift 17-000900-PR12 20.09.2017	With allround sealing, transferable on 4 sides to -100% to +50% of the total area of the test sample.
		Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	1	ift 17-000900-PR13 09.10.2017	The dimensions based on expert opinions must be observed.
		Double-leaf, opening in, all-round leaf, with glass filling Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	2	ift 17-000900-PR18 09.10.2017	
		Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	2	ift 17-000900-PR21 29.01.2018	
		Double-leaf, opening in, all-round leaf Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3157 mm x 2666 mm	2/1	ift 17-000900-PR23 19.06.2018	
		Double-leaf, opening in, all-round leaf Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	3	ift 17-000900-PR25 19.06.2018	
		Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	2/1	ift 17-000900-PR26 27.07.2018	
		Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2666 mm	2	ift 17-000900-PR27 06.08.2018	
		Double-leaf, opening in, all-round leaf Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	2	ift 17-000900-PR28	
		Double-leaf, opening in, all-round leaf, outer door Clear opening dimension: 2743 mm x 2591 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2666 mm	4	ift 19-004563-PR01 06.12.2019	
		Double-leaf, opening in, leaf with bottom rail, outer door Clear opening dimension: 2761 mm x 2591 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 2666 mm	3	ift 14-002284-PR36 15.04.2015	
		Double-leaf, opening in, leaf with bottom rail, outer door Clear opening dimension: 2743 mm x 3091 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	2	ift 17-000900-PR08 08.06.2017	


5. An overview of performance characteristics

	Section of the product standard EN 14351-1	Variant / Type / Design	Value / Class	Evidence	Application range
	4.14 Air permeability (Continuation)	Double-leaf, opening in, leaf with bottom rail, outer door Clear opening dimension: 2943 mm x 2591 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2716 mm	3	ift 19-004563-PR01 06.12.2019	With all-round sealing on 3 sides, transferable to -100% to +0% of the total area of the test sample.
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2543 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 2693 mm x 2266 mm	3	ift 14-002284-PR36 15.04.2015	With allround sealing, transferable on 4 sides to -100% to +50% of the total area of the test sample.
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	2	ift 17-000900-PR08 08.06.2017	The dimensions based on expert opinions must be observed.
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2666 mm	2	ift 17-000900-PR19 13.11.2017	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	2/2	ift 17-000900-PR20 13.11.2017	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	1	ift 17-000900-PR24 19.06.2018	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2666 mm	2	ift 17-000900-PR35 05.12.2018	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	2	ift 17-000900-PR36 06.12.2018	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	2	ift 19-001562-PR01 16.07.2019	
		Double-leaf, opening in and out Rebate threshold and zero threshold Sash frame: 1500 mm x 3100 mm	up to 3 up to 2	ift 17-000900-PR31 10.12.2019	
Double-leaf, opening in and out without threshold and semicircular threshold Sash frame: 1500 mm x 3100 mm	up to 2 up to 1	ift 17-000900-PR33 10.12.2019			
Double-leaf, opening in and out Finger protection door with rebate threshold Sash frame: 1500 mm x 3100 mm	up to 2	ift 17-000900-PR32 10.12.2019			
	4.16 Operating forces	Single-leaf, front door, opening in, all-round leaf, with glass filling Clear opening dimension: 1262 mm x 2171 mm Sash frame: 1300 mm x 2200 mm	5	ift 15-003177-PR01/2 19.11.2018	Transferable to -100% of the total area of the test sample.
		Fixed frame dimensions: 1412 mm x 2266 mm Single-leaf door, opening out Sash frame: 1400 mm x 2600 mm Fixed frame dimensions: 1512 mm x 2666 mm	2	PIV 40-55/15 11.09.2015	The dimensions based on expert opinions must be observed. Transferable to -100% of the total area of the test sample.



5. An overview of performance characteristics

	Section of the product standard EN 14351-1	Variant / Type / Design	Value / Class	Evidence	Application range
	4.16 Operating forces (Continuation)	Single-leaf, opening in and out Rebate threshold and zero threshold Sash frame: 1500 mm x 3100 mm	up to 5	ift 17-000900-PR29 30.09.2021	Transferable to -100% of the total area of the test sample. The dimensions based on expert opinions must be observed.
		Single-leaf, opening in and out without threshold and semicircular threshold Sash frame: 1500 mm x 3100 mm	up to 5	ift 17-000900-PR34 30.09.2021	
		Single-leaf, opening in and out Finger protection door with rebate threshold Sash frame: 1500 mm x 3100 mm	up to 5	ift 17-000900-PR30 30.09.2021	
		Double-leaf, opening in, with bottom rail profile, with glass filling, external door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	5	ift 17-003598-PR03 18.09.2018	
		Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	5	ift 17-003598-PR04 18.09.2018	
		Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	5	ift 17-003598-PR06 18.09.2018	
		Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3157 mm x 2666 mm	5	ift 17-003598-PR14 06.12.2018	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	5	ift 17-003598-PR01 18.09.2018	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2666 mm	5	ift 17-003598-PR02 18.09.2018	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm	5	ift 17-003598-PR07 18.09.2018	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm	5	ift 17-003598-PR08 18.09.2018	
		Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3093 mm x 2666 mm	5	ift 17-003598-PR12 06.12.2018	
		Double-leaf, opening in and out Rebate threshold and zero threshold Sash frame: 1500 mm x 3100 mm	up to 5	ift 17-000900-PR31 10.12.2019	
		Double-leaf, opening in and out without threshold and semicircular threshold Sash frame: 1500 mm x 3100 mm	up to 5	ift 17-000900-PR33 10.12.2019	
		Double-leaf, opening in and out Finger protection door with rebate threshold Sash frame: 1500 mm x 3100 mm	up to 5	ift 17-000900-PR32 10.12.2019	

5. An overview of performance characteristics

	Section of the product standard EN 14351-1	Variant / Type / Design	Value / Class	Evidence	Application range		
	4.17	Mechanic solidity	Single-leaf, front door, opening in, all-round leaf, with glass filling Clear opening dimension: 1262 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 1412 mm x 2266 mm Resistance to vertical load/torsion Resistance to the impact of a light or heavy impact body	3 3	ift 15-003177-PR01/3 19.11.2018	Transferable to -100% of the total area of the test sample. The dimensions based on expert opinions must be observed.	
			Single-leaf door, opening out Sash frame: 1400 mm x 2600 mm Fixed frame dimensions: 1512 mm x 2666 mm Resistance to vertical load/torsion Resistance to the impact of a light or heavy impact body	3 4			PIV 40-55/15 11.09.2015
			Single-leaf, opening in and out Rebate threshold and zero threshold Sash frame: 1500 mm x 3100 mm	3			ift 17-000900-PR29 30.09.2021
			Single-leaf, opening in and out without threshold and semicircular threshold Sash frame: 1500 mm x 3100 mm	3			ift 17-000900-PR34 30.09.2021
			Single-leaf, opening in and out Finger protection door with rebate threshold Sash frame: 1500 mm x 3100 mm	3			ift 17-000900-PR30 30.09.2021
			Double-leaf, opening in, with bottom rail profile, with glass filling, external door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm Resistance to vertical load/torsion Resistance to the impact of a light or heavy impact body	3			ift 17-003598-PR03 18.09.2018
			Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm Resistance to vertical load/torsion Resistance to the impact of a light or heavy impact body	3			ift 17-003598-PR04 18.09.2018
			Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2321 mm Sash frame: 1500 mm x 2350 mm Fixed frame dimensions: 3093 mm x 2416 mm Resistance to vertical load/torsion Resistance to the impact of a light or heavy impact body	3			ift 17-003598-PR06 18.09.2018
			Double-leaf, opening in, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 2571 mm Sash frame: 1500 mm x 2600 mm Fixed frame dimensions: 3157 mm x 2666 mm Resistance to vertical load/torsion Resistance to the impact of a light or heavy impact body	3			ift 17-003598-PR14 06.12.2018
			Double-leaf, opening out, all-round leaf, with glass filling, outer door Clear opening dimension: 2943 mm x 3071 mm Sash frame: 1500 mm x 3100 mm Fixed frame dimensions: 3093 mm x 3166 mm Resistance to vertical load/torsion Resistance to the impact of a light or heavy impact body	3			ift 17-003598-PR01 18.09.2018

5. An overview of performance characteristics

	Section of the product standard EN 14351-1		Variant / Type / Design	Value / Class	Evidence	Application range
	4.22	Reaction to different climates	Single-leaf, front door, opening in, all-round leaf, with glass filling Clear opening dimension: 1262 mm x 2171 mm Sash frame: 1300 mm x 2200 mm Fixed frame dimensions: 1412 mm x 2266 mm	3(d)/3(e)	ift 15-003177-PR01/2 19.11.2018	Transferable to all sizes.
	4.23	Burglar resistance	Single or double leaf, opening in or out Sash 900 to 1500 mm x 1696 to 3150 mm Single or double leaf, opening in or out Sash 900 to 1300 mm x 1696 to 3150 mm Single or double leaf, opening in or out Sash 900 to 1500 mm x 1696 to 3150 mm Single-leaf, opening out, emergency exit door, panel gluing Sash 950 to 1350 mm x 1750 to 2550 mm Double-leaf, opening out, full panic door Sash 1237 mm x 2501 mm	RC 1 N RC 2 N RC 2 RC 3 RC 3 RC 3	PIV 45-57/16.121 19.07.2021 PIV 45-58/16.121 19.07.2021 PIV 56-145/15.122 23-02-2022 PIV 45-60/18 24.05.2018 IBS 319020805-1 19.11.2019	Locking gap is equal to or less than what is specified in the statements. The dimensions based on expert opinions must be observed.

6. Additional certificates

Product Type	Variant tested	BS 6375-1:2009		BS 6375-2:2009		BS 6375-3:2009		PAS 24:2016	
		Test	Class	Test	Class	Test	Class	Test	Class
Hueck Lambda DS 075	Single Door and Double Door (in and out)	Weathertightness	800	Mechanical Cyclic operation Operating forces	3 5 1	Annex C	PASS	Annex A & B	D
		Test	Class	Test	Class	Test	Class	Test	Class
Hueck Lambda DS 075	Single Door and Double Door (in and out)	Weathertightness	800	Mechanical Cyclic operation Operating forces	3 4 5	Annex C	PASS	Annex A & B	D
		Test	Class	Test	Class	Test	Class	Test	Class