ES 50 Doors

PRODUCT PASS

Date: **08-02-2024**

Language: **English**

Reynaers Aluminium

Together for better

www.reynaers.com

1 GENERAL EXPLANATION

The performances indicated in this product pass can be used for a Declaration of Performance (DoP) in accordance with EU Regulation no. 305/2011. The characteristics are in accordance with the harmonized product standard EN 14351-1:2006+A2:2016 (Windows and doors - Product standard, performance characteristics - Part 1: Windows and external pedestrian doorsets).

At least one performance of an essential characteristic shall be mentioned on the DoP. Non-essential characteristics are not legally required in any European country and thus not mandatory to declare. Where no performance is declared “NPD” (No Performance Declared) can be used.

The performances indicated can be achieved for the configuration and dimensions as tested and when the product is fabricated in accordance with the instructions of Reynaers (system catalogue). It is obviously allowed to declare lower performances; e.g. when resistance to wind load of 1600 Pa was tested, also 1200 Pa can be declared for the same configuration and dimensions.

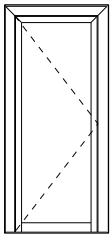
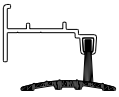
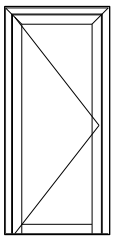
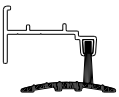
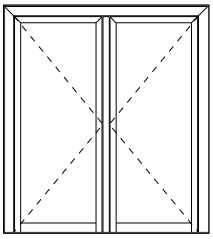
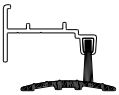
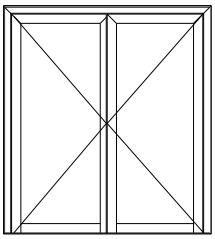
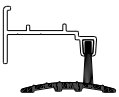
Higher performances for smaller dimensions, lower performances for larger dimensions, or similar performances for larger dimensions but with the appropriate selection of profiles and/or reinforcements are possible. Validate your performances and deflections, adhering to the maximum admissible dimensions indicated in the system catalogue.

2 NOTIFIED BODIES

ID	Name	Address	Country
0074	CENTRE D'EXPERTISE DU BÂTIMENT ET DES TRAVAUX PUBLICS	Domaine De Saint-Paul – 102, Route de Limours 78471 Saint-Remy-Les-Chevreuse Cedex	France
0432	MATERIALPRÜFUNGSAMT NORDRHEIN-WESTFALEN	Auf den Thränen 2 59597 Erwitte	Germany
0679	CENTRE SCIENTIFIQUE ET TECHNIQUE DU BÂTIMENT	84, Avenue Jean Jaurès Champs-sur-Marne F-77447 Marne-la-Vallée Cedex 2	France
0744	SOCOTEC	Les Quadrants – 3,Avenue du Centre – Guyancourt 78182 St-Quentin en Yvelines	France
0749	BELGIAN CONSTRUCTION CERTIFICATION ASSOCIATION	Aarlenstraat 53 1040 Brussel	Belgium
0757	IFT ROSENHEIM	Theodor-Gietl-Strasse 7-9 83026 Rosenheim	Germany
0845	DANISH INSTITUTE OF FIRE AND SECURITY TECHNOLOGY	Jernholmen, 12 2650 Hvidovre	Denmark
0960	SKG-IKOB	Poppenbouwing 56 4191 NZ Geldermalsen	Netherlands
1136	BELGIAN BUILDING RESEARCH INSITUTE	Lombardstraat 42 1000 Brussel	Belgium
1234	EFECTIS NEDERLAND	Brandpuntlaan Zuid 16, Postbus 554 2665 ZN Bleiswijk	Netherlands
1288	WINTECH ENGINEERING LIMITED	Halesfield 2 Telford,Shropshire TF7 4QH	United Kingdom
1309	PRÜFINSTITUT SCHLÖSSER UND BESCHLÄGE, VELBERT	Wallstrasse 41 42551 Velbert	Germany
1488	INSTYTUT TECHNIKI BUDOWLANEJ	ul. Filtrowa 1 00-611 Warszawa	Poland
1671	PEUTZ	Lindenlaan 41, Molenhoek PO Box 66 6585 ZH MOOK	Netherlands
1749	TNO DEFENCE, SECURITY AND SAFETY	Lange Kleiweg 137, Postbus 45 2280 AA Rijswijk	Netherlands
1769	UNIVERSITY OF GENT	Sint-Pietersnieuwstraat 41 9000 Gent	Belgium
2211	INSTITUTO DE INVESTIGAÇÃO E DESENVOLVIMENTO TECNOLÓGICO PARA A CONSTRUÇÃO, ENERGIA, AMBIENTE E SUSTENTABILIDADE	Rua Pedro Hispano Pólo II da Universidade de Coimbra 3030-289 Coimbra	Portugal

3 VARIANTS

Different variants have been grouped based on similar design and following the guidelines of the harmonised standard

Opening type	Flush doors		Window doors
 Single-inward opening	 5.1	 5.2	
 Single-outward opening	 5.3	 5.4	 5.9
 Double-inward opening	 5.5	 5.6	
 Double-outward opening	 5.7	 5.8	 5.10

Remark: the pictures shown of the different bottom solutions do not always represent the real bottom solution for this series, but are just a general sketch to give an indication which type of bottom solution is meant

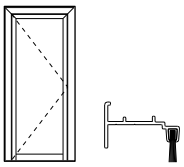
4 EXPLANATIONS AND SYMBOLS

H: Element Height
B: Element Width
Fh: Vent Height
Fb: Vent Width
npd: No Performance Declared
CWFT: Classification Without Further Testing

(1) Impact resistance only valid with tubular or L-shaped glazing beads

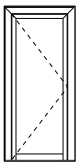
5 PERFORMANCE

5.1 Flush doors / Single-inward opening / Brush



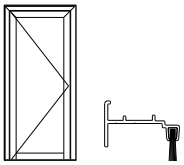
Characteristic			Performance	Notified body - Report	Tested size [mm]
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	**C2** (800 Pa)	[0960] - SKG/HRU/cbo/10.0109-1	Maximum Dimensions: see catalogue
	4.5	Watertightness	**4A** (150 Pa)	[0960] - SKG/HRU/cbo/10.0109-1	Maximum Dimensions: see catalogue
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	**5** (1)	[0960] – 09.1174	606x1740
	4.8	Load-bearing capacity of safety devices	npd		
	4.9	Height and Width	See 6		
	4.11	Acoustic performance	Doors: **23 (-1;-2)**	[0757] – 175 42879/1	891x2068 ~ 1304x2942
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	**2**	[0960] - SKG/HRU/cbo/10.0109-1	Maximum Dimensions: see catalogue
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: **A1** Painted: **A2** Gaskets: **E**	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	**1**	Conformity declaration Operation	1327x2904, 131 kg
	4.17	Mechanical strength	**4**	Conformity declaration Mechanical	1327x2904, 131 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version) (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	**6** (200 000)	Conformity declaration Cyclic	1327x2904, 131 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version) (AP version)	**RC2**	[0960] – SKGIKOB.0837.0285	See report

5.2 Flush doors / Single-inward opening / Bottom profile



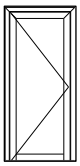
Characteristic			Performance	Notified body - Report	Tested size [mm]
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	**C2** (800 Pa)	[0960] - SKG/HRU/cbo/10.0109-2	Maximum Dimensions: see catalogue
	4.5	Watertightness	**4A** (150 Pa)	[0960] - SKG/HRU/cbo/10.0109-2	Maximum Dimensions: see catalogue
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	**5** (1)	[0960] – 09.1174	606x1740
	4.8	Load-bearing capacity of safety devices	npd		
	4.9	Height and Width	See 6		
	4.11	Acoustic performance	Glass: **34 (-1;-4)** **39 (-1;-4)** **43 (-2;-5)** / Doors: **36 (-1;-4)** **37 (-1;-4)** **40 (-2;-4)**	[0757] – 175 42879/1	891x2068 ~ 1304x2942
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	**2**	[0960] - SKG/HRU/cbo/10.0109-2	Maximum Dimensions: see catalogue
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: **A1** Painted: **A2** Gaskets: **E**	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	**1**	Conformity declaration Operation	1327x2904, 131 kg
	4.17	Mechanical strength	**4**	Conformity declaration Mechanical	1327x2904, 131 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version) (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	**6** (200 000)	Conformity declaration Cyclic	1327x2904, 131 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version) (AP version)	**RC2**	[0960] – SKGIKOB.0837.0285	See report

5.3 Flush doors / Single-outward opening / Brush



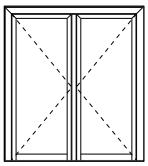
Characteristic			Performance	Notified body - Report	Tested size [mm]
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	**C2** (800 Pa)	[0960] - SKG/HRU/cbo/10.0109-1	Maximum Dimensions: see catalogue
	4.5	Watertightness	**4A** (150 Pa)	[0960] - SKG/HRU/cbo/10.0109-1	Maximum Dimensions: see catalogue
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	**5** (1)	[0960] – 09.1174	606x1740
	4.8	Load-bearing capacity of safety devices	npd		
	4.9	Height and Width	See 6		
	4.11	Acoustic performance	Doors: **23 (-1;-2)**	[0757] – 175 42879/1	891x2068 ~ 1304x2942
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	**2**	[0960] - SKG/HRU/cbo/10.0109-1	Maximum Dimensions: see catalogue
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: **A1** Painted: **A2** Gaskets: **E**	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	**1**	Conformity declaration Operation	1327x2904, 131 kg
	4.17	Mechanical strength	**4**	Conformity declaration Mechanical	1327x2904, 131 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version) (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	**6** (200 000)	Conformity declaration Cyclic	1327x2904, 131 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version) (AP version)	**RC2**	[0960] – SKGIKOB.0837.0285	See report

5.4 Flush doors / Single-outward opening / Bottom profile



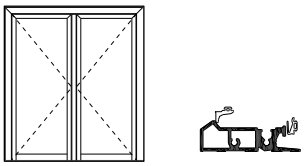
Characteristic			Performance	Notified body - Report	Tested size [mm]
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	**C2** (800 Pa)	[0960] - SKG/HRU/cbo/10.0109-2	Maximum Dimensions: see catalogue
	4.5	Watertightness	**4A** (150 Pa)	[0960] - SKG/HRU/cbo/10.0109-2	Maximum Dimensions: see catalogue
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	**5** (1)	[0960] – 09.1174	606x1740
	4.8	Load-bearing capacity of safety devices	npd		
	4.9	Height and Width	See 6		
	4.11	Acoustic performance	Glass: **34 (-1;-4)** **39 (-1;-4)** **43 (-2;-5)** / Doors: **36 (-1;-4)** **37 (-1;-4)** **40 (-2;-4)**	[0757] – 162 35851/10	985x2120
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	**2**	[0960] - SKG/HRU/cbo/10.0109-2	Maximum Dimensions: see catalogue
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: **A1** Painted: **A2** Gaskets: **E**	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	**1**	Conformity declaration Operation	1327x2904, 131 kg
	4.17	Mechanical strength	**4**	Conformity declaration Mechanical	1327x2904, 131 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version) (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	**6** (200 000)	Conformity declaration Cyclic	1327x2904, 131 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version) (AP version)	**RC2**	[0960] – SKGIKOB.0837.0285	See report

5.5 Flush doors / Double-inward opening / Brush



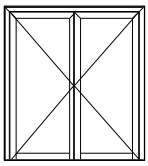
Characteristic			Performance	Notified body - Report	Tested size [mm]
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	**A2** (800 Pa)	[0960] - SKG/HRU/cbo/10.0109-3	Maximum Dimensions: see catalogue
	4.5	Watertightness	**3A** (100 Pa)	[0960] - SKG/HRU/cbo/10.0109-3	Maximum Dimensions: see catalogue
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	npd		
	4.8	Load-bearing capacity of safety devices	npd		
	4.9	Height and Width	See 6		
	4.11	Acoustic performance	npd		
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	**2**	[0960] - SKG/HRU/cbo/10.0109-3	Maximum Dimensions: see catalogue
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: **A1** Painted: **A2** Gaskets: **E**	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	**1**	Conformity declaration Operation	1327x2904, 131 kg
	4.17	Mechanical strength	**4**	Conformity declaration Mechanical	1327x2904, 131 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version) (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	**6** (200 000)	Conformity declaration Cyclic	1327x2904, 131 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version) (AP version)	**RC2**	[0960] – SKGIKOB.0837.0285	See report

5.6 Flush doors / Double-inward opening / Bottom profile



Characteristic			Performance	Notified body - Report	Tested size [mm]
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	**C2** (800 Pa)	[1488] - LK-02344/09/8a	Maximum Dimensions: see catalogue
	4.5	Watertightness	**4A** (150 Pa)	[1488] - LK-02344/09/8a	Maximum Dimensions: see catalogue
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	npd		
	4.8	Load-bearing capacity of safety devices	npd		
	4.9	Height and Width	See 6		
	4.11	Acoustic performance	npd		
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	**2**	[1488] - LK-02344/09/8a	Maximum Dimensions: see catalogue
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: **A1** Painted: **A2** Gaskets: **E**	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	**4**	[1488] - LK-02344/09/8a	1341x2356, 100 kg
	4.17	Mechanical strength	**4**	Conformity declaration Mechanical	1327x2904, 131 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version) (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	**6** (200 000)	Conformity declaration Cyclic	1327x2904, 131 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version) (AP version)	**RC2**	[0960] – SKGIKOB.0837.0285	See report

5.7 Flush doors / Double-outward opening / Brush



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Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	**A2** (800 Pa)	[0960] - SKG/HRU/cbo/10.0109-3	Maximum Dimensions: see catalogue
	4.5	Watertightness	**4A** (150 Pa)	[0960] - SKG/HRU/cbo/10.0109-3	Maximum Dimensions: see catalogue
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	npd		
	4.8	Load-bearing capacity of safety devices	npd		
	4.9	Height and Width	See 6		
	4.11	Acoustic performance	npd		
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	**2**	[0960] - SKG/HRU/cbo/10.0109-3	Maximum Dimensions: see catalogue
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	4.16	Operating forces	**1**	Conformity declaration Operation	1327x2904, 131 kg
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	4.18	Ventilation	npd		
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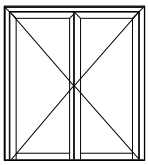
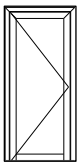
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	**6** (200 000)	Conformity declaration Cyclic	1327x2904, 131 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version) (AP version)	**RC2**	[0960] – SKGIKOB.0837.0285	See report

5.8 Flush doors / Double-outward opening / Bottom profile



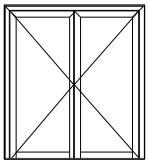
Characteristic			Performance	Notified body - Report	Tested size [mm]
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	**A2** (800 Pa)	[0960] - SKG/HRU/cbo/10.0109-4	Maximum Dimensions: see catalogue
	4.5	Watertightness	**4A** (150 Pa)	[0960] - SKG/HRU/cbo/10.0109-4	Maximum Dimensions: see catalogue
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	npd		
	4.8	Load-bearing capacity of safety devices	npd		
	4.9	Height and Width	See 6		
	4.11	Acoustic performance	npd		
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	**2**	[0960] - SKG/HRU/cbo/10.0109-4	Maximum Dimensions: see catalogue
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: **A1** Painted: **A2** Gaskets: **E**	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	**1**	Conformity declaration Operation	1327x2904, 131 kg
	4.17	Mechanical strength	**4**	Conformity declaration Mechanical	1327x2904, 131 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version) (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	**6** (200 000)	Conformity declaration Cyclic	1327x2904, 131 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version) (AP version)	**RC2**	[0960] – SKGIKOB.0837.0285	See report

5.9 Window doors / Single-outward opening / Bottom profile



Characteristic			Performance	Notified body - Report	Tested size [mm]
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	**C2** (800 Pa)	[0960] – 10.1008	1146x2168
	4.5	Watertightness	**3A** (100 Pa)	[0960] – 10.1008	1146x2168
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	npd		
	4.8	Load-bearing capacity of safety devices	npd		
	4.9	Height and Width	See 6		
	4.11	Acoustic performance	Doors: **22 (-1;-2)**	[0757] – GAS01-C01-04	889x2062 ~ 1304x2942
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	**3**	[0960] – 10.1008	1146x2168
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: **A1** Painted: **A2** Gaskets: **E**	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	npd		
	4.17	Mechanical strength	npd		
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version) (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	npd		
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version) (AP version)	npd		

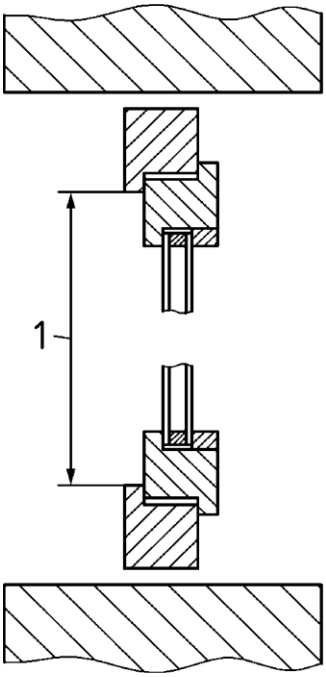
5.10 Window doors / Double-outward opening / Bottom profile

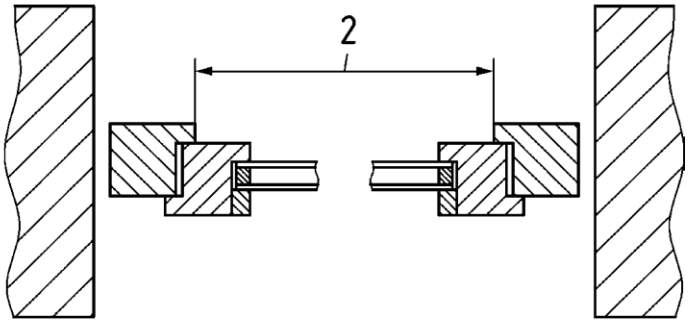


Characteristic			Performance	Notified body - Report	Tested size [mm]
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	**C2** (800 Pa)	[0960] – 10.1009	1069x2168
	4.5	Watertightness	**4A** (150 Pa)	[0960] – 10.1009	1069x2168
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	npd		
	4.8	Load-bearing capacity of safety devices	npd		
	4.9	Height and Width	See 6		
	4.11	Acoustic performance	Doors: **22 (-1;-2)**	[0757] – GAS01-C01-04	889x2062 ~ 1279x2452
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	**3**	[0960] – 10.1009	1069x2168
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: **A1** Painted: **A2** Gaskets: **E**	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	npd		
	4.17	Mechanical strength	npd		
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version) (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	npd		
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version) (AP version)	npd		

6 RULE FOR DEFINITION OF CLEAR OPENING HEIGHT AND WIDTH

The clear opening height 1 and clear opening width 2 are defined as indicated in following sketches of EN 12519:2018.





UPDATES

12/06/2023

	VARIANTS	Characteristic
SKGIKOB.0837.0285	5.1~5.8	4.23
EFR-21-001664A	5.1~5.10	4.23
230006500-6	5.1~5.10	4.23

08/02/2024

	VARIANTS	Characteristic
Text revision	GENERAL EXPLANATION	
Tested size [mm]	5.1~5.10	
Text revision	5.5~5.8, 5.10	4.12