

CS 77 Doors

PRODUCT PASS

Date: **10-04-2024**

Language: **English**



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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.

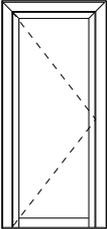
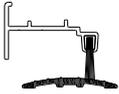
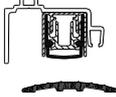
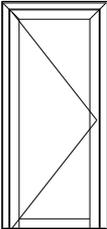
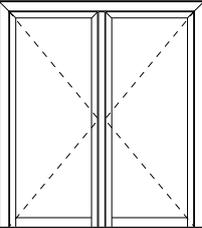
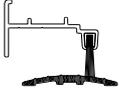
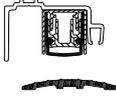
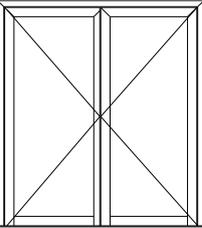
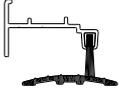
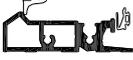
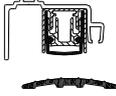
Higher performances for smaller dimensions, lower performances for larger dimensions, or similar performances for larger dimensions but with the appropriate selection of profiles and/or reinforcements are possible. Validate your performances and deflections, adhering to the maximum admissible dimensions 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	EFFECTIS NEDERLAND	Brandpuntlaan Zuid 16, Postbus 554 2665 ZN Bleiswijk	Netherlands
1288	WINTTECH 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	Covered variants		
 <p>Single-inward opening</p>	 <p>5.1</p>	 <p>5.2</p>	 <p>5.3</p>
 <p>Single-outward opening</p>	 <p>5.4</p>	 <p>5.5</p>	 <p>5.6</p>
 <p>Double-inward opening</p>	 <p>5.7</p>	 <p>5.8</p>	 <p>5.9</p>
 <p>Double-outward opening</p>	 <p>5.10</p>	 <p>5.11</p>	 <p>5.12</p>

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

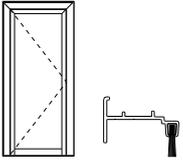
4 EXPLANATIONS AND SYMBOLS

- 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

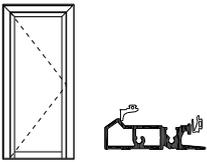
5 PERFORMANCE

5.1 Flush doors / Single-inward opening / Brush



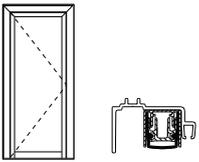
Characteristic		Performance	Notified body - Report	Tested size [mm]	
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)	[0960] - SKG/HRU/cbo/10.0106-1	1352x2204
	4.5	Watertightness	npd		
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	5 ⁽¹⁾	[0960] – 09.1170	604x1739
	4.8	Load-bearing capacity of safety devices	Pass	[0960] - 12.1060 rev A	1076x2600
	4.9	Height and Width	See 6		
	4.11	Acoustic performance	Doors: 23 (-1;-2)	[0757] – 12-000113-PR02	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/10.0106-1	1352x2204
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	2	[0960] - 12.1060 rev A	1076x2600, 129 kg
	4.17	Mechanical strength	4	[0960] - 12.1060 rev A	1076x2600, 129 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version) (BP version)	FB4 FSG Kalashnikov	ES-210614a ES-210722b ES-210722a	Remark: classes S or NS depending on ammunition
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	6 (200 000)	[0960] - 12.1060 rev A	1076x2600, 129 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version) (AP version)	RC2 WK2/RC2 RC3	[0960] – SKGIKOB.0837.0285.06 [1309] - 22-27/10.122 [1136] – CAR 17266	See report

5.2 Flush doors / Single-inward opening / Bottom profile



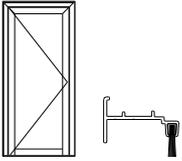
Characteristic		Performance	Notified body - Report		Tested size [mm]	
Essential characteristics						
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)	[0960] - 15.00090	1400x2600	
	4.5	Watertightness	7A (300 Pa)	[0960] - 15.00090	1400x2600	
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.			
	4.7	Impact resistance	5 ⁽¹⁾	[0960] – 09.1170	604x1739	
	4.8	Load-bearing capacity of safety devices	Pass	[0960] - 12.1060 rev A	1076x2600	
	4.9	Height and Width	See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 36 (-2;-5) 37 (-2;-4) 41 (-1;-4)	[0757] – 12-000113-PR02	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	4	[0960] - 15.00090	1400x2600	
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	2	[0960] - 12.1060 rev A	1076x2600, 129 kg	
	4.17	Mechanical strength	4	[0960] - 12.1060 rev A	1076x2600, 129 kg	
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version) (BP version)	FB4 FSG Kalashnikov	ES-210614a ES-210722b ES-210722a	Remark: classes S or NS depending on ammunition	
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	6 (200 000)	[0960] - 12.1060 rev A	1076x2600, 129 kg	
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version) (AP version)	RC2 WK2/RC2 RC3	[0960] – SKGIKOB.0837.0285.06 [1309] - 22-27/10.122 [1136] – CAR 17266	See report	

5.3 Flush doors / Single-inward opening / Automatic bottom seal



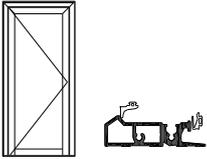
Characteristic		Performance		Notified body - Report	Tested size [mm]	
Essential characteristics						
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)		[0960] - SKG/HRU/cbo/11.0635	1352 x 2500
	4.5	Watertightness	3A (100 Pa)		[0960] - SKG/HRU/cbo/11.0635	1352 x 2500
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.			
	4.7	Impact resistance	5 ⁽¹⁾		[0960] – 09.1170	604x1739
	4.8	Load-bearing capacity of safety devices	Pass		[0960] - 12.1060 rev A	1076x2600
	4.9	Height and Width	See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 33 (-2;-5) 34 (0;-2) 36 (0;-2)	[0757] – 12-000113-PR02	891x2068 ~ 1200x2942
	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/11.0635	1352 x 2500
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	2		[0960] - 12.1060 rev A	1076x2600, 129 kg
	4.17	Mechanical strength	4		[0960] - 12.1060 rev A	1076x2600, 129 kg
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version) (BP version)	FB4 FSG Kalashnikov	ES-210614a ES-210722b ES-210722a	Remark: classes S or NS depending on ammunition	
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	6 (200 000)		[0960] - 12.1060 rev A	1076x2600, 129 kg
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version) (AP version)	RC2 WK2/RC2 RC3	[0960] – SKGIKOB.0837.0285.06 [1309] - 22-27/10.122 [1136] – CAR 17266	See report	

5.4 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/10.0106-1	1352x2204
	4.5	Watertightness	4A (150 Pa)	[0960] - SKG/HRU/cbo/10.0106-1	1352x2204
	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] – 09.1170	604x1739
	4.8	Load-bearing capacity of safety devices	Pass	[0960] – 15.00320	1408x3008
	4.9	Height and Width	See 6		
	4.11	Acoustic performance	Doors: 23 (-1;-2)	[0757] – 12-000113-PR02	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/10.0106-1	1352x2204
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	2	[0960] – 15.00320	1408x3008, 255 kg
	4.17	Mechanical strength	4	[0960] – 15.00320	1408x3008, 255 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version) (BP version)	FB4 FSG Kalashnikov	ES-210614a ES-210722b ES-210722a	Remark: classes S or NS depending on ammunition
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	8 (1.000.000)	[0960] – 15.00320	1408x3008, 255 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version) (AP version)	RC2 WK2/RC2 RC3	[0960] – SKGIKOB.0837.0285.06 [1309] - 22-27/10.122 [1136] – CAR 17266	See report

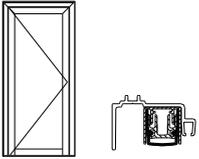
5.5 Flush doors / Single-outward opening / Bottom profile



Characteristic		Performance		Notified body - Report	Tested size [mm]	
Essential characteristics						
EN 14351-1	4.2	Resistance to wind load	C3 (1200 Pa) C2 (800 Pa)	[0960] – 12.1063 [0960] – 23.00580	1400x3000 1086x2360	
	4.5	Watertightness	4A (150 Pa) 9A (600 Pa)	[0960] – 12.1063 [0960] – 23.00580	1400x3000 1086x2360	
	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] – 09.1170	604x1739	
	4.8	Load-bearing capacity of safety devices	Pass	[0960] – 15.00320	1408x3008	
	4.9	Height and Width	See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 36 (-2;-5) 37 (-2;-4) 41 (-1;-4)	[0757] – 12-000113- PR02	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	4	[0960] – 12.1063 [0960] – 23.00580	1400x3000 1086x2360	
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	2	[0960] – 15.00320	1408x3008, 255 kg	
	4.17	Mechanical strength	4	[0960] – 15.00320	1408x3008, 255 kg	
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version) (BP version)	FB4 FSG Kalashnikov	ES-210614a ES-210722b ES-210722a	Remark: classes S or NS depending on ammunition	
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	8 (1.000.000)	[0960] – 15.00320	1408x3008, 255 kg	
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version) (AP version)	RC2 WK2/RC2 RC3	[0960] – SKGIKOB.0837.0285.06 [1309] - 22-27/10.122 [1136] – CAR 17266	See report	

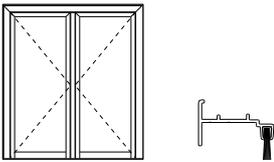
⁽²⁾ Air permeability only valid for positive pressure

5.6 Flush doors / Single-outward opening / Automatic bottom seal



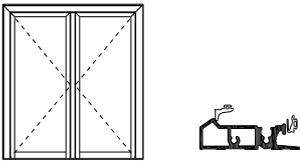
Characteristic		Performance	Notified body - Report	Tested size [mm]		
Essential characteristics						
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)	[0960] - SKG/HRU/cbo/11.0635	1352x2500	
	4.5	Watertightness	3A (100 Pa)	[0960] - SKG/HRU/cbo/11.0635	1352x2500	
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.			
	4.7	Impact resistance	5 ⁽¹⁾	[0960] – 09.1170	604x1739	
	4.8	Load-bearing capacity of safety devices	Pass	[0960] – 15.00320	1408x3008	
	4.9	Height and Width	See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 33 (-2;-5) 34 (0;-2) 36 (0;-2)	[0757] – 12-000113-PR02	891x2068 ~ 1200x2942
	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/11.0635	1352x2500	
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	2	[0960] – 15.00320	1408x3008, 255 kg	
	4.17	Mechanical strength	4	[0960] – 15.00320	1408x3008, 255 kg	
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version) (BP version)	FB4 FSG Kalashnikov	ES-210614a ES-210722b ES-210722a	Remark: classes S or NS depending on ammunition	
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	8 (1.000.000)	[0960] – 15.00320	1408x3008, 255 kg	
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version) (AP version)	RC2 WK2/RC2 RC3	[0960] – SKGIKOB.0837.0285.06 [1309] - 22-27/10.122 [1136] – CAR 17266	See report	

5.7 Flush doors / Double-inward opening / Brush



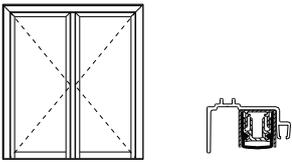
Characteristic		Performance	Notified body - Report	Tested size [mm]	
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	B2 (800 Pa)	[0960] - SKG/HRU/cbo/10.0106-4 1352 x 2350	
	4.5	Watertightness	3A (100 Pa)	[0960] - SKG/HRU/cbo/10.0106-4 1352 x 2350	
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	5 ⁽¹⁾	[0960] - SKG/HRU/age/12.0648 649x1744	
	4.8	Load-bearing capacity of safety devices	Pass	[0960] - 19.00838 1400x3000	
	4.9	Height and Width	See 6		
	4.11	Acoustic performance	Doors: 23 (-1;-2)	[0757] - 12-000113-PR02 891x2068 ~ 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	2	[0960] - SKG/HRU/cbo/10.0106-4 1352 x 2350	
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	2	R16893 1150x2740	
	4.17	Mechanical strength	4	[0960] - 19.00838 1400x3000, 353 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	7 (500 000)	[0960] - 19.00838 1400x3000, 353 kg	
	4.22	Behaviour between different climates	npd		
4.23	Burglar resistance (AP version) (AP version)	RC2 WK2/RC2 RC3	[0960] - SKGIKOB.0837.0285.06 [1309] - 22-27/10.122 [1136] - CAR 17266	See report	

5.8 Flush doors / Double-inward opening / Bottom profile



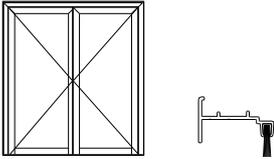
Characteristic		Performance	Notified body - Report	Tested size [mm]		
Essential characteristics						
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 15.00081-Rev A	1339x2352.5	
	4.5	Watertightness	6A (250 Pa)	[0960] – 15.00081-Rev A	1339x2352.5	
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.			
	4.7	Impact resistance	5 ⁽¹⁾	[0960] – SKG/HRU/age/12.0648	649x1744	
	4.8	Load-bearing capacity of safety devices	Pass	[0960] – 19.00838	1400x3000	
	4.9	Height and Width	See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 35 (-3;-6) 36 (-3;-5) 40 (-1;-3)	[0757] – 12-000113-PR02	891x2068 ~ 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] – 15.00081-Rev A	1339x2352.5	
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	2	R16893	1150x2740	
	4.17	Mechanical strength	4	[0960] – 19.00838	1400x3000, 353 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	7 (500 000)	[0960] – 19.00838	1400x3000, 353 kg	
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version) (AP version)	RC2 WK2/RC2 RC3	[0960] – SKGIKOB.0837.0285.06 [1309] - 22-27/10.122 [1136] – CAR 17266	See report	

5.9 Flush doors / Double-inward opening / Automatic bottom seal



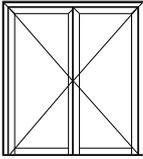
Characteristic		Performance		Notified body - Report	Tested size [mm]	
Essential characteristics						
EN 14351-1	4.2	Resistance to wind load	B2 (800 Pa)		[0960] – SKG/HRU/cbo/11.0632	1352x2500
	4.5	Watertightness	3A (100 Pa)		[0960] – SKG/HRU/cbo/11.0632	1352x2500
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.			
	4.7	Impact resistance	5 ⁽¹⁾		[0960] – SKG/HRU/age/12.0648	649x1744
	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 19.00838	1400x3000
	4.9	Height and Width	See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 33 (-2;-5) 34 (0;-2) 36 (0;-2)	[0757] – 12-000113-PR02	891x2062 ~ 1200x2452
	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/11.0632	1352x2500
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	2		R16893	1150x2740
	4.17	Mechanical strength	4		[0960] – 19.00838	1400x3000, 353 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	7 (500 000)		[0960] – 19.00838	1400x3000, 353 kg
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version) (AP version)	RC2 WK2/RC2 RC3		[0960] – SKGIKOB.0837.0285.06 [1309] - 22-27/10.122 [1136] – CAR 17266	See report

5.10 Flush doors / Double-outward opening / Brush



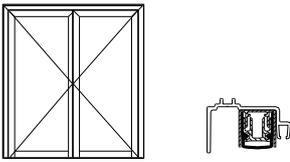
Characteristic		Performance	Notified body - Report	Tested size [mm]	
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	B2 (800 Pa)	[0960] - SKG/HRU/cbo/10.0106-4	1352x2350
	4.5	Watertightness	4A (150 Pa)	[0960] - SKG/HRU/cbo/10.0106-4	1352x2350
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	5 ⁽¹⁾	[0960] - SKG/HRU/age/12.0648	649x1744
	4.8	Load-bearing capacity of safety devices	Pass	[0960] - 19.00838	1400x3000
	4.9	Height and Width	See 6		
	4.11	Acoustic performance	Doors: 23 (-1;-2)	[0757] - 12-000113-PR02	891x2068 ~ 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	2	[0960] - SKG/HRU/cbo/10.0106-4	1352x2350
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	2	R16893	1150x2740
	4.17	Mechanical strength	4	[0960] - 19.00838	1400x3000, 353 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	7 (500 000)	[0960] - 19.00838	1400x3000, 353 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version) (AP version)	RC2 WK2/RC2 RC3	[0960] - SKGIKOB.0837.0285.06 [1309] - 22-27/10.122 [1136] - CAR 17266	See report

5.11 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	C2 (800 Pa)		[1488] – LK02-00948/15/R84NK	1339x2352.5	
	4.5	Watertightness	7A (300 Pa)		[1488] – LK02-00948/15/R84NK	1339x2352.5	
	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] – SKG/HRU/age/12.0648		649x1744	
	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 19.00838	1400x3000	
	4.9	Height and Width	See 6				
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 35 (-3;-6) 36 (-3;-5) 40 (-1;-3)	[0757] – 12-000113-PR02		891x2062 ~ 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	[1488] – LK02-00948/15/R84NK		1339x2352.5	
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	2	R16893		1150x2740	
	4.17	Mechanical strength	4	[0960] – 19.00838		1400x3000, 353 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	7 (500 000)	[0960] – 19.00838		1400x3000, 353 kg	
	4.22	Behaviour between different climates	npd				
	4.23	Burglar resistance (AP version) (AP version)	RC2 WK2/RC2 RC3	[0960] – SKGIKOB.0837.0285.06 [1309] - 22-27/10.122 [1136] – CAR 17266		See report	

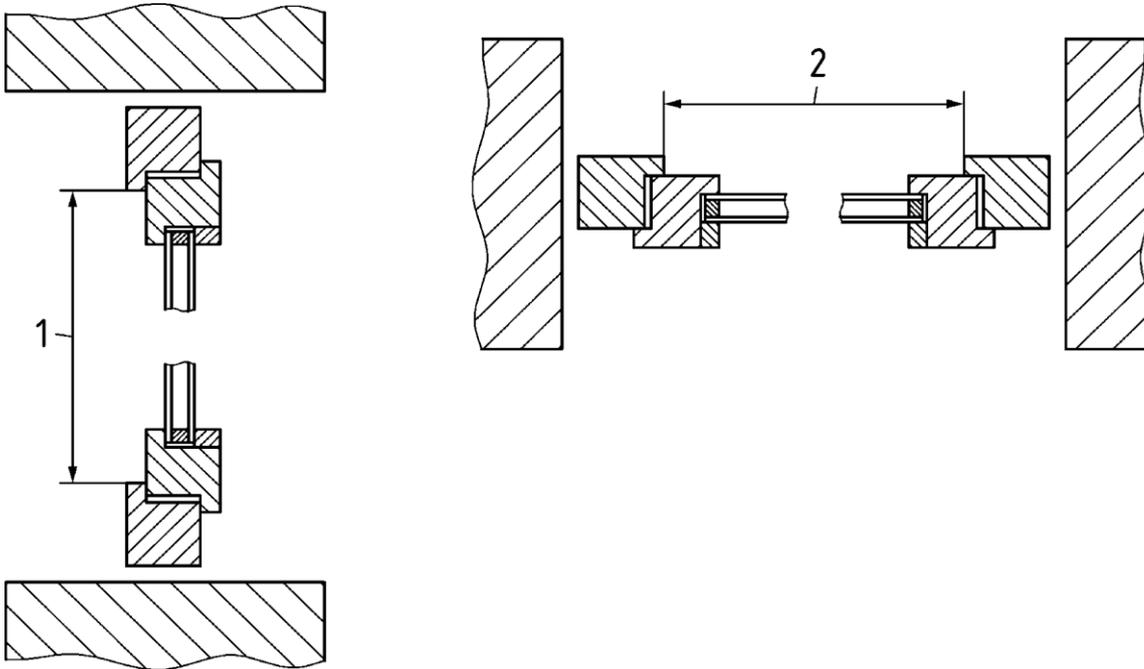
5.12 Flush doors / Double-outward opening / Automatic bottom seal



Characteristic		Performance		Notified body - Report	Tested size [mm]	
Essential characteristics						
EN 14351-1	4.2	Resistance to wind load	B2 (800 Pa)		[0960] – SKG/HRU/cbo/11.0632	1352x2500
	4.5	Watertightness	3A (100 Pa)		[0960] – SKG/HRU/cbo/11.0632	1352x2500
	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] – SKG/HRU/age/12.0648	649x1744
	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 19.00838	1400x3000
	4.9	Height and Width	See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 33 (-2;-5) 34 (0;-2) 36 (0;-2)	[0757] – 12-000113-PR02	891x2068 ~ 1200x2452
	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/11.0632	1352x2500
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	2		R16893	1150x2740
	4.17	Mechanical strength	4		[0960] – 19.00838	1400x3000, 353 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	7 (500 000)		[0960] – 19.00838	1400x3000, 353 kg
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version) (AP version)	RC2 WK2/RC2 RC3		[0960] – SKGIKOB.0837.0285.06 [1309] - 22-27/10.122 [1136] – CAR 17266	See report

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

22/4/2022

	VARIANTS	Characteristic
12.1060 rev A	5.1 ~ 5.3	4.8, 4.16, 4.17, 4.21
EFR-21-001664A	5.1 ~ 5.12	4.4.1
230006500-6	5.1 ~ 5.12	4.4.1
22.00537	5.1 ~ 5.10	4.16 + 4.21
19.00838	5.7 ~ 5.12	4.8, 4.17, 4.21
R16893	5.7 ~ 5.12	4.16
SKGIKOB.0837.0285.06	5.1 ~ 5.12	4.23
22-27/10.120	5.1 ~ 5.12	4.23
CAR 17266	5.1 ~ 5.12	4.23
ES-210614a, ES-210722a, ES-210722b,	5.1 ~ 5.6	4.19

20/1/2023

	VARIANTS	Characteristic
15.00090	5.5	4.2, 4.5, 4.14

08/06/2023

	VARIANTS	Characteristic
23.00580	5.5	4.2, 4.5, 4.14
22-27/10.122	5.1 ~ 5.12	4.23

23/01/2024

	VARIANTS	Characteristic
Text revision	GENERAL EXPLANATION	
Tested size [mm]	5.1 – 5.12	
Text revision	5.7, 5.10	4.12

10/04/2024

	VARIANTS	Characteristic
SKG/HRU/cbo/10.0106-1	5.1	4.5