

MasterLine 8 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.

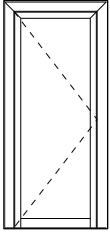
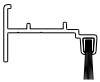

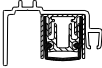
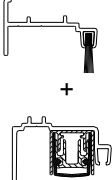

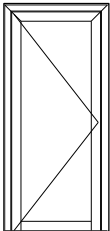
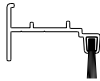

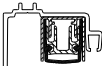
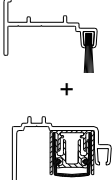
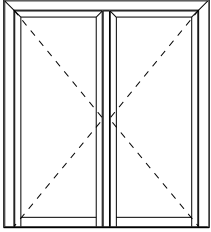
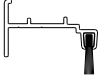

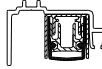
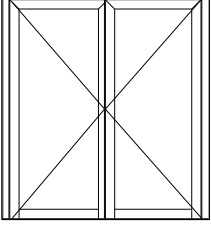



Higher performances for smaller dimensions, lower performances for larger dimensions, or similar performances for larger dimensions but with the appropriate selection of profiles and/or reinforcements are possible. Validate your performances and deflections, adhering to the maximum admissible dimensions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

2 NOTIFIED BODIES

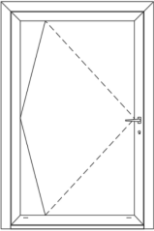
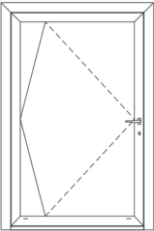
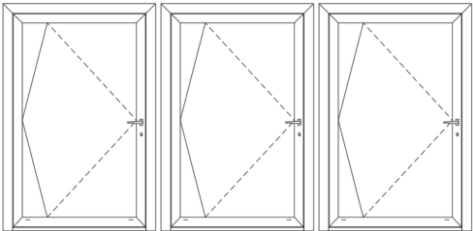
ID	Name	Address	Country
0074	CENTRE D'EXPERTISE DU BÂTIMENT ET DES TRAVAUX PUBLICS	Domaine De Saint-Paul – 102, Route de Limours 78471 Saint-Remy-Les-Chevreuse Cedex	France
0432	MATERIALPRÜFUNGSAMT NORDRHEIN-WESTFALEN	Auf den Thränen 2 59597 Erwitte	Germany
0679	CENTRE SCIENTIFIQUE ET TECHNIQUE DU BÂTIMENT	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	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

	Flush doors			Window doors	
 Single-inward opening	 5.1	 5.2	 5.3	 5.4	 5.5
 Single-outward opening	 5.6	 5.7	 5.8	 5.9	
 Double-inward opening	 5.10	 5.11	 5.12		
 Double-outward opening	 5.13	 5.14	 5.15		

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.

Pivot door	
5.16	<div></div> <p>Pivot door</p>
5.17	<div></div> <p>Pivot door XL</p>
5.18	<div></div> <p>Multi-leaf pivot door XL</p>

4 **EXPLANATIONS AND SYMBOLS**

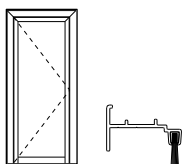
H: Element Height
B: Element Width
Fh: Vent Height
Fb: Vent Width
npd: No Performance Declared
CWFT: Classification Without Further Testing

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

⁽²⁾ Because of the same profile design, characteristics are based on test results for CS 86-HI

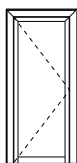
5 PERFORMANCE

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] – 21.00162 rev A	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] – 09.1168 ⁽²⁾		604x1739
	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 20.00934	1400x3000
	4.9	Height & width	See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4)	Doors: 23 (-1;-2)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	889~1304 x 2062~2942
	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] – 21.00162 rev A	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	1		[0960] – 18.00012.2	1400x3000, 256 kg
	4.17	Mechanical strength	4		[0960] – 20.00934	1400x3000, 250 kg
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version)	npd			
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	8 (1.000 000)		[0960] – 18.00012.2 [0960] – 22.00088.1	1400x3000, 256 kg 1400x3000, 160 kg
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version)	RC2 RC3		[1309] – 22-27/10.122 [1136] – GSFM-20-083	See report

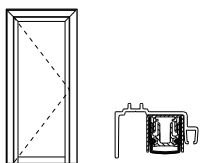
5.2 Flush doors / Single-inward opening / Bottom profile



Characteristic			Performance		Notified body - Report	Tested size [mm]
Essential characteristics						
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)		[0960] – 20.01457	1400x3000
	4.5	Watertightness	8A (450 Pa)		[0960] – 20.01457	1400x3000
	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] – 09.1168 ⁽²⁾	604x1739
	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 20.00934	1400x3000
	4.9	Height & width	See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 37 (-2;-5) 39 (-2;-4) 43 (-2;-4) ⁽³⁾	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	889~1279 x 2062~2452
	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] – 20.01457	1400x3000
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		[0960] – 18.00012.2	1400x3000, 256 kg
	4.17	Mechanical strength	4		[0960] – 20.00934	1400x3000, 250 kg
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version)	npd			
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	8 (1.000 000)		[0960] – 18.00012.2 [0960] – 22.00088.1	1400x3000, 256 kg 1400x3000, 160 kg
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version)	RC2 RC3		[1309] – 22-27/10.122 [1136] – GSFM-20-083	See report

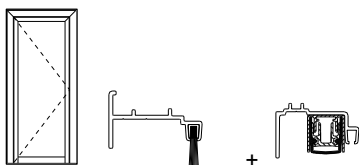
⁽³⁾ For casement W x H ≤ 1050 x 2200. For casement W x H ≤ 1304 x 2942: 42 (-2;-4)

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



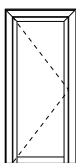
Characteristic			Performance		Notified body - Report	Tested size [mm]
Essential characteristics						
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)		[0960] – 21.00162 rev A	1352x2207
	4.5	Watertightness	5B (200 Pa)		[0960] – 21.00162 rev A	1352x2207
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.			
	4.7	Impact resistance	5 ⁽¹⁾		[0960] – 09.1168 ⁽²⁾	604x1739
	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 20.00934	1400x3000
	4.9	Height & width	See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 33 (-2;-5) 34 (-1;-3) 35 (-1;-2)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	889~1200 x 2062~2942
	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] – 21.00162 rev A	1352x2207
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		[0960] – 18.00012.2	1400x3000, 256 kg
	4.17	Mechanical strength	4		[0960] – 20.00934	1400x3000, 250 kg
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version)	npd			
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	8 (1.000 000)		[0960] – 18.00012.2 [0960] – 22.00088.1	1400x3000, 256 kg 1400x3000, 160 kg
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version)	RC2 RC3		[1309] – 22-27/10.122 [1136] – GSFM-20-083	See report

5.4 Window doors / Single-inward opening



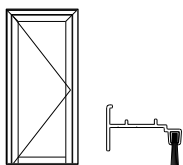
Characteristic			Performance	Notified body - Report	Tested size [mm]
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	C3 (1200 Pa)	[0960] – 21.00576	1200x2800
	4.5	Watertightness	npd		
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	5 ⁽¹⁾	[0960] – 09.1168 ⁽²⁾	604x1739
	4.8	Load-bearing capacity of safety devices	npd		
	4.9	Height & 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 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] – 21.00576	1200x2800
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] – 22.00088.1	1400x3000, 160 kg
	4.17	Mechanical strength	npd		
	4.18	Ventilation	npd		
	4.19	Bullet resistance (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)	npd		

5.5 Window doors / Single-inward opening



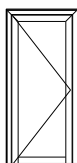
Characteristic			Performance	Notified body - Report	Tested size [mm]
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	C3 (1200 Pa)	[0960] – 18.01140	970x2367
	4.5	Watertightness	9A (600 Pa)	[0960] – 18.01140	970x2367
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	5 ⁽¹⁾	[0960] – 09.1168 ⁽²⁾	604x1739
	4.8	Load-bearing capacity of safety devices	npd		
	4.9	Height & 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 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] – 18.01140	970x2367
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)	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)	npd		

5.6 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] – 21.00162 rev A	1352x2204
	4.5	Watertightness	4A (150 Pa)		[0960] – 21.00162 rev A	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] – 09.1168 ⁽²⁾	604x1739
	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 20.00710.1	1400x3000
	4.9	Height & width	See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4)	Doors: 23 (-1;-2)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	889~1304 x 2062~2942
	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] – 21.00162 rev A	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	1		[0960] – 20.01458	1400x3000, 180 kg
	4.17	Mechanical strength	4		[0960] – 20.00710.1	1400x3000, 250 kg
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version)	npd			
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	8 (1.000 000)		[0960] – 20.00710.1	1400x3000, 250 kg
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version)	RC2 RC3		[1309] – 22-27/10.122 [1136] – GSFM-20-083	See report

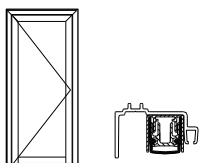
5.7 Flush doors / Single-outward opening / Bottom profile



Characteristic			Performance		Notified body - Report		Tested size [mm]	
Essential characteristics								
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa) C2 (800 Pa) C3 (1200 Pa)		[0960] – 21.00162 Rev A [0960] – 20.01458 [0960] – 22.00924		1400x2600 1400x3000 1203x3562	
	4.5	Watertightness	9A (600 Pa) 7A (300 Pa) 7A (300 Pa)		[0960] – 21.00162 Rev A [0960] – 20.01458 [0960] – 22.00924		1400x2600 1400x3000 1203x3562	
	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] – 09.1168 ⁽²⁾		604x1739	
	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 20.00710.1		1400x3000	
	4.9	Height & width	See 6					
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 37 (-2;-5) 39 (-2;-4) 43 (-2;-4) ⁽³⁾	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)		889~1279 x 2062~2452	
	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 3 3		[0960] – 21.00162 Rev A [0960] – 20.01458 [0960] – 22.00924		1400x2600 1400x3000 1203x3562	
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		[0960] – 20.01458		1400x3000, 180 kg	
	4.17	Mechanical strength	4		[0960] – 20.00710.1		1400x3000, 250 kg	
	4.18	Ventilation	npd					
	4.19	Bullet resistance (BP version)	npd					
	4.20	Explosion resistance	npd					
	4.21	Resistance to repeated opening and closing	8 (1.000 000)		[0960] – 20.00710.1		1400x3000, 250 kg	
	4.22	Behaviour between different climates	npd					
4.23	Burglar resistance (AP version)	RC2 RC3		[1309] – 22-27/10.122 [1136] – GSFM-20-083		See report		

⁽³⁾ For casement W x H ≤ 1050 x 2200. For casement W x H ≤ 1304 x 2942: 42 (-2;-4)

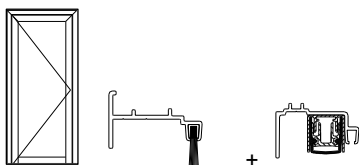
5.8 Flush doors / Single-outward opening / Automatic bottom seal



Characteristic			Performance		Notified body - Report	Tested size [mm]	
Essential characteristics							
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)		[0960] – 21.00162 rev A	1352x2204	
	4.5	Watertightness	4A (150 Pa)		[0960] – 21.00162 rev A ⁽³⁾	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] – 09.1168 ⁽²⁾	604x1739	
	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 20.00710.1	1400x3000	
	4.9	Height & width	See 6				
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 33 (-2;-5) 34 (-1;-3) 35 (-1;-2)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	889~1200 x 2062~2942	
	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] – 21.00162 rev A	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	1		[0960] – 20.01458	1400x3000, 180 kg	
	4.17	Mechanical strength	4		[0960] – 20.00710.1	1400x3000, 250 kg	
	4.18	Ventilation	npd				
	4.19	Bullet resistance (BP version)	npd				
	4.20	Explosion resistance	npd				
	4.21	Resistance to repeated opening and closing	8 (1.000 000)		[0960] – 20.00710.1	1400x3000, 250 kg	
	4.22	Behaviour between different climates	npd				
	4.23	Burglar resistance (AP version)	RC2 RC3		[1309] – 22-27/10.122 [1136] – GSFM-20-083	See report	

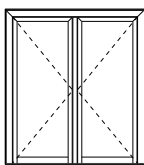
⁽³⁾ Automatic bottom seal + Brush

5.9 Window doors / Single-outward opening



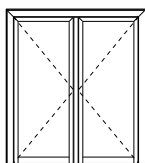
Characteristic			Performance	Notified body - Report	Tested size [mm]
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	C3 (1200 Pa)	[0960] – 21.00762-0	1200x2800
	4.5	Watertightness	npd		
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	5 ⁽¹⁾	[0960] – 09.1168 ⁽²⁾	604x1739
	4.8	Load-bearing capacity of safety devices	npd		
	4.9	Height & 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 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] – 21.00762-0	1200x2800
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] – 22.00088.1	1400x3000, 160 kg
	4.17	Mechanical strength	npd		
	4.18	Ventilation	npd		
	4.19	Bullet resistance (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)	npd		

5.10 Flush doors / Double-inward opening / Brush



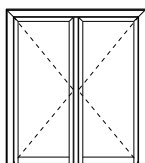
Characteristic			Performance		Notified body - Report		Tested size [mm]	
Essential characteristics								
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)		[0960] – 21.00162 rev A		1352x2350	
	4.5	Watertightness	3A (100 Pa)		[0960] – 21.00162 rev A		1352x2350	
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.					
	4.7	Impact resistance	5 ⁽¹⁾		[0960] – SKG/HRU/age/12.0649 ⁽²⁾		649x1742	
	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 22.00323		1400x3000	
	4.9	Height & width	See 6					
	4.11	Acoustic performance	Glass: 34 (-1;-4)	Doors: 23 (-1;-2)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)		889~1279 x 2062~2452	
	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] – 21.00162 rev A		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	0		[0960] – 22.00323		1400x3000, 353 kg	
	4.17	Mechanical strength	4		[0960] – 22.00323		1400x3000, 353 kg	
	4.18	Ventilation	npd					
	4.19	Bullet resistance (BP version)	npd					
	4.20	Explosion resistance	npd					
	4.21	Resistance to repeated opening and closing	7 (500.000)		[0960] – 22.00323		1400x3000, 353 kg	
	4.22	Behaviour between different climates	npd					
	4.23	Burglar resistance (AP version)	RC2 RC3		[1309] – 22-27/10.122 [1136] – GSFM-20-083		See report	

5.11 Flush doors / Double-inward opening / Bottom profile



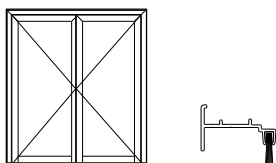
Characteristic			Performance		Notified body - Report	Tested size [mm]
Essential characteristics						
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)		[0960] – 21.00162 rev A	1338x2352
	4.5	Watertightness	6A (250 Pa)		[0960] – 21.00162 rev A	1338x2352
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.			
	4.7	Impact resistance	5 ⁽¹⁾	[0960] – SKG/HRU/age/12.0649 ⁽²⁾		649x1742
	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 22.00323	1400x3000
	4.9	Height & width	See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 36 (-3;-6) 38 (-3;-5) 41 (-1;-3)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	889~1279 x 2062~2452
	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] – 21.00162 rev A	1338x2352
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	0		[0960] – 22.00323	1400x3000, 353 kg
	4.17	Mechanical strength	4		[0960] – 22.00323	1400x3000, 353 kg
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version)	npd			
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	7 (500.000)		[0960] – 22.00323	1400x3000, 353 kg
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version)	RC2 RC3		[1309] – 22-27/10.122 [1136] – GSFM-20-083	See report

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



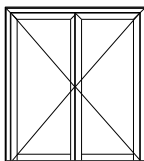
Characteristic			Performance		Notified body - Report	Tested size [mm]
Essential characteristics						
EN 14351-1	4.2	Resistance to wind load	B2 (800 Pa)		[0960] – 21.00162 rev A	1352x2500
	4.5	Watertightness	3A (100 Pa)		[0960] – 21.00162 rev A	1352x2500
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.			
	4.7	Impact resistance	5 ⁽¹⁾	[0960] – SKG/HRU/age/12.0649 ⁽²⁾		649x1742
	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 22.00323	1400x3000
	4.9	Height & width	See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 33 (-2;-5) 34 (-1;-3) 35 (-1;-2)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	889~1200 x 2062~2452
	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] – 21.00162 rev A	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	0		[0960] – 22.00323	1400x3000, 353 kg
	4.17	Mechanical strength	4		[0960] – 22.00323	1400x3000, 353 kg
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version)	npd			
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	7 (500.000)		[0960] – 22.00323	1400x3000, 353 kg
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version)	RC2 RC3		[1309] – 22-27/10.122 1136] – GSFM-20-083	See report

5.13 Flush doors / Double-outward opening / Brush



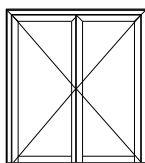
Characteristic			Performance		Notified body - Report		Tested size [mm]	
Essential characteristics								
EN 14351-1	4.2	Resistance to wind load	B2 (800 Pa)		[0960] – 21.00162 rev A		1352x2350	
	4.5	Watertightness	4A (150 Pa)		[0960] – 21.00162 rev A		1352x2350	
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.					
	4.7	Impact resistance	5 ⁽¹⁾		[0960] – SKG/HRU/age/12.0649 ⁽²⁾		649x1742	
	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 22.00323		1400x3000	
	4.9	Height & width	See 6					
	4.11	Acoustic performance	Glass: 34 (-1;-4)	Doors: 23 (-1;-2)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)		889~1279 x 2062~2452	
	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] – 21.00162 rev A		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	0		[0960] – 22.00323		1400x3000, 353 kg	
	4.17	Mechanical strength	4		[0960] – 22.00323		1400x3000, 353 kg	
	4.18	Ventilation	npd					
	4.19	Bullet resistance (BP version)	npd					
	4.20	Explosion resistance	npd					
	4.21	Resistance to repeated opening and closing	7 (500.000)		[0960] – 22.00323		1400x3000, 353 kg	
	4.22	Behaviour between different climates	npd					
	4.23	Burglar resistance (AP version)	RC2 RC3		[1309] – 22-27/10.122 [1136] – GSFM-20-083		See report	

5.14 Flush doors / Double-outward opening / Bottom profile



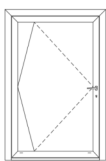
Characteristic			Performance		Notified body - Report	Tested size [mm]
Essential characteristics						
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)		[0960] – 21.00162 rev A	1339x2352
	4.5	Watertightness	7A (300 Pa)		[0960] – 21.00162 rev A	1339x2352
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.			
	4.7	Impact resistance	5 ⁽¹⁾	[0960] – SKG/HRU/age/12.0649 ⁽²⁾		649x1742
	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 22.00323	1400x3000
	4.9	Height & width	See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 36 (-3;-6) 38 (-3;-5) 41 (-1;-3)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	889~1279 x 2062~2452
	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] – 21.00162 rev A	1339x2352
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	0		[0960] – 22.00323	1400x3000, 353 kg
	4.17	Mechanical strength	4		[0960] – 22.00323	1400x3000, 353 kg
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version)	npd			
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	7 (500.000)		[0960] – 22.00323	1400x3000, 353 kg
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version)	RC2 RC3		[1309] – 22-27/10.122 [1136] – GSFM-20-083	See report

5.15 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	C2 (800 Pa)		[0960] – 21.00162 rev A	1352x2500
	4.5	Watertightness	3A (100 Pa)		[0960] – 21.00162 rev A	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/12.0649 ⁽²⁾		649x1742
	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 22.00323	1400x3000
	4.9	Height & width	See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 33 (-2;-5) 34 (-1;-3) 35 (-1;-2)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	889~1200 x 2062~2452
	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] – 21.00162 rev A	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	0		[0960] – 22.00323	1400x3000, 353 kg
	4.17	Mechanical strength	4		[0960] – 22.00323	1400x3000, 353 kg
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version)	npd			
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	7 (500.000)		[0960] – 22.00323	1400x3000, 353 kg
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version)	RC2 RC3		[1309] – 22-27/10.122 [1136] – GSFM-20-083	See report

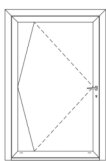
5.16 Pivot door



Characteristic			Performance	Notified body - Report	Tested size [mm]
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	C3 (1200 Pa)	[0960] – 19.00305 ⁽⁵⁾	1700x2700
	4.5	Watertightness	4A (150 Pa)	[0960] – 19.00305 ⁽⁵⁾	1700x2700
	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	Pass	[0960] – 18.01316	1700x2700
	4.9	Height & 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 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] – 19.00305 ⁽⁵⁾	1700x2700
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	[0960] – 18.01316	1700x2700, 204 kg
	4.17	Mechanical strength	4	[0960] – 18.01316	1700x2700, 204 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	5 (100 000)	[0960] – 18.01316	1700x2700, 204 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version)	RC2	[1136] – CAR-19-075 [1136] – CAR-19-257	See report

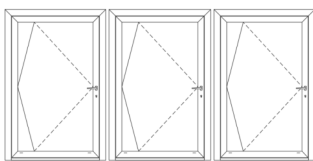
⁽⁵⁾ With double manual lock

5.17 Pivot door XL



Characteristic			Performance	Notified body - Report	Tested size [mm]
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 20.00498	2000x3200
	4.5	Watertightness	4A (150 Pa)	[0960] – 20.00498	2000x3200
	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	Pass	[0960] – 21.00298	2500x3559
	4.9	Height & 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 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] – 20.00498	2000x3200
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] – 21.00298	2500x3559, 488 kg
	4.17	Mechanical strength	4	[0960] – 21.00298	2500x3559, 488 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	5 (100 000)	[0960] – 21.00298	2500x3559, 488 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version)	npd		

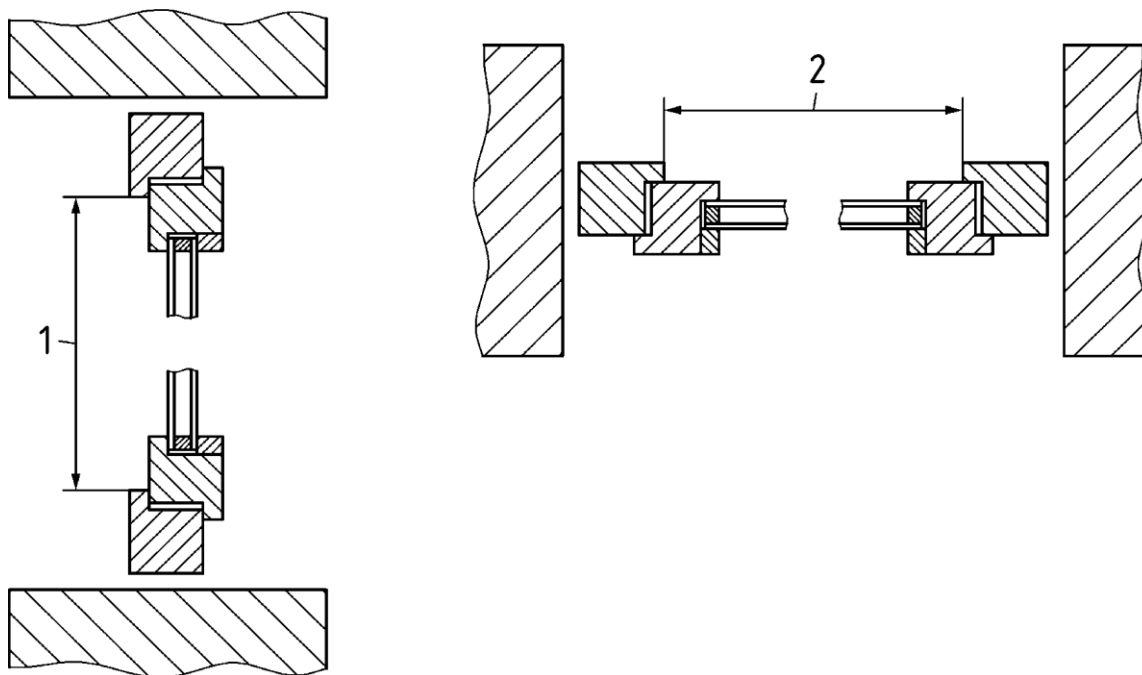
5.18 Multi-leaf pivot door XL



Characteristic			Performance	Notified body - Report	Tested size [mm]
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	B2 (800 Pa)	[0960] – 20.00737	1865x3500
	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	npd		
	4.8	Load-bearing capacity of safety devices	Pass	[0960] – 21.00298	2500x3559
	4.9	Height & 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] – 20.00737	1865x3500
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] – 21.00298	2500x3559, 488 kg
	4.17	Mechanical strength	4	[0960] – 21.00298	2500x3559, 488 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	5 (100 000)	[0960] – 21.00298	2500x3559, 488 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (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

10/02/2023

	VARIANTS	Characteristic
22.00088 Rev A	5.1~5.3	4.16 + 4.21
22.00924	5.6	4.2 + 4.5 + 4.14
22-27/10.122	5.1~5.3 , 5.5~5.7, 5.9 ~5.14	

12/05/2023

	VARIANTS	Characteristic
19.00840	5.2	4.2 + 4.5 + 4.14

16/01/2024

	VARIANTS	Characteristic
Text revision	GENERAL EXPLANATION	
Tested size [mm]	5.1 – 5.18	
Text revision	5.10, 5.13, 5.16, 5.17	4.12
18.01140	5.5	
22.00088.1	5.1 – 5.3	4.16 – 4.21

08/02/2024

	VARIANTS	Characteristic
21.00162 Rev A	5.7	4.2 + 4.5 + 4.14

05/03/2024

	VARIANTS	Characteristic
20.01458	5.6, 5.7, 5.8	4.16
22.00088.1	5.4, 5.9	4.16

10/04/2024

	VARIANTS	Characteristic
21.00162 Rev A	5.1	4.5