MasterPatio

PRODUCT PASS

Date: **26-10-2023**

Language: English







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



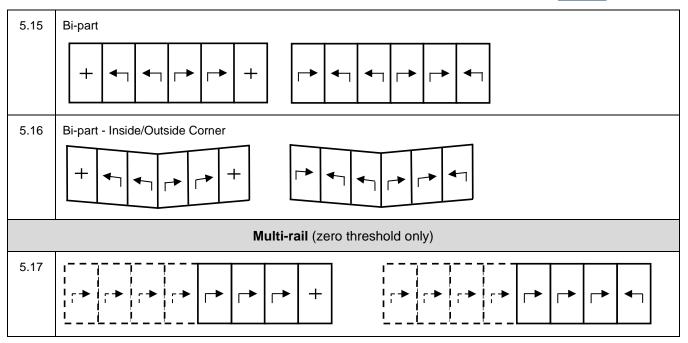


3 VARIANTS

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

	Mor	norail				
Outsic	de glazing	Inside	glazing			
5.1	+ + +	5.6	+ + +			
5.2	+ +					
5.3	Bi-part	5.7	Bi-part			
	+ + +		+ + +			
5.4	Inside/Outside Corner	5.8	Inside/Outside Corner			
	+++		+++			
5.5	Bi-part - Inside/Outside Corner (23.00640)	5.9	Bi-part - Inside/Outside Corner			
	+ + +		+ + +			
	2-	rail				
5.10		5.12	Bi-part			
	+ + +					
5.11		5.13	Bi-part - Inside/Outside Corner			
	+ - +		+ + + +			
	3-rail					
5.14						





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







Pocket

Lift sliding vent

Fixed vent

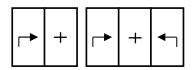
 $^{(2)}$ Tubular glazing beads: p < 2000 Pa, WxH < 3200x3200 mm (fixed windows only)





5 PERFORMANCE

5.1 Monorail - Outside glazing

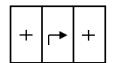


(*) Slim Chicane

		Characteristic	Performa	nce	No	otified body - Report	Tested size [mm]		
			Essen	tial chara	acteris	tics			
	4.2	Resistance to wind load	C4 (1600 C3 (1200 C3 (1200 C5 (2000	Pa) Pa) Pa)	[]	0960] – 20.00751 ^(*) [0960] – 20.01576 [060] – 21.00586 rev A [0960] – 22.00447	1500x2380 ⁽²⁾ 2000x3000 ⁽²⁾ 1800x3600 ⁽²⁾ 1500x2380 ⁽²⁾		
	4.5	Watertightness	E1200 (120 E1050 (105 9A (600 9A (600	00 Pa) 50 Pa) Pa)	[0960] – 20.00751 ^(*) [0960] – 20.01576 [0960] – 21.00586 rev A [0960] – 22.00447		1500x2380 2000x3000 1800x3600 1500x2380		
	4.6	Dangerous substances	In the mater	ials deliv	ered by	Reynaers, no dangerous hEN 14351-1 are used.	substances as indicated in		
	4.7	Impact resistance	4		[0960] – 21.00887.2	2380x2380		
51-1	4.8	Load-bearing capacity of safety devices		npd					
EN 14351-1	4.9	Height & width				See 6			
Ш	4.11	Acoustic performance	Glass: 36 (-1;-5) 41 (-2;-4) 45 (-2;-6) 52 (-1;-5)	36 (-1;-5) 34 (-2;-4) 37 (-45 (-2;-6) 41 (-2;-6)		[0960] – 20.00651.1 [0960] – 20.00651.2 [0960] – 20.00651.3 [0960] – 20.00651.4	2705x2360		
	4.12	Thermal transmittance		Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.					
	4.13	Radiation properties	The	These properties must be evaluated by the CE-label of the g					
	4.14	Air permeability	4		[0960] – 20.00751 ^(†) [0960] – 20.01576 [0960] – 21.00586 rev A [0960] – 22.00447		1500x2380 2000x3000 1800x3600 1500x2380		
			Non-ess	ential ch					
	4.4.1	Reaction to fire	Anodized Painted: Gaskets	A2	certif	C decision 96/603/EC ficate EFR-21-001664A 1432] – 230006500-6			
	4.16	Operating forces	0 1 1		[09	960] – 22.00537 rev A 960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg		
	4.17	Mechanical strength	4		[0960] – 21.00887.1	2380x2380, 230kg		
7	4.18	Ventilation				npd			
EN 14351-1	4.19	Bullet resistance (BP version)				npd			
Ш	4.20	Explosion resistance				npd			
	4.21	Resistance to repeated opening and closing	3 (20.00 3 (20.00 4 (50.00)O)	[09	960] – 22.00537 rev A 960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg		
	4.22	Behaviour between different climates				npd			
	4.23	Burglar resistance (AP version)	RC2		[0960] – 20.01545-2	See report		



5.2 Monorail - Outside glazing

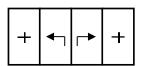


		Characteristic	Performance	Notified body - Report	Tested size [mm]				
			Essential char	acteristics					
	4.2	Resistance to wind load	C3 (1200 Pa)	[0960] – 22.00078	1500x2404 ⁽²⁾				
	4.5	Watertightness	E1050 (1050 Pa)	[0960] – 22.00078	1500x2404				
	4.6	Dangerous substances	In the materials deliv	vered by Reynaers, no dangerous hEN 14351-1 are used.	substances as indicated in				
	4.7	Impact resistance	4	[0960] – 21.00887.2	FbxFh > 2380x2380				
EN 14351-1	4.8	Load-bearing capacity of safety devices		npd					
EN 1	4.9	Height & width		See 6					
	4.11	Acoustic performance		npd					
	4.12	Thermal transmittance	Ud to be calculated in function of the project. 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] – 22.00078	1500x2404				
			Non-essential characteristics						
	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 1 1	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg				
	4.17	Mechanical strength	4	[0960] – 21.00887.1	2380x2380, 230kg				
7	4.18	Ventilation		npd					
N 14351-1	4.19	Bullet resistance (BP version)		npd					
Ē	4.20	Explosion resistance		npd					
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg				
	4.22	Behaviour between different climates		npd					
	4.23	Burglar resistance (AP version)		npd					





5.3 Monorail - Outside glazing - Bi-part



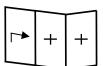
		Characteristic	Performance	Notified body - Report	Tested size [mm]					
			Essential char	acteristics						
	4.2	Resistance to wind load	B4 (1600 Pa)	[0960] – 20.01671 ⁽¹⁾	1500x2380 ⁽²⁾					
	4.5	Watertightness	E1200 (1200 Pa)	[0960] – 20.01671 (1)	1500x2380					
	4.6	Dangerous substances	In the materials deliv	vered by Reynaers, no dangerous hEN 14351-1 are used.	substances as indicated in					
	4.7	Impact resistance	4	[0960] – 21.00887.2	2380x2380					
EN 14351-1	4.8	Load-bearing capacity of safety devices		npd						
EN 14	4.9	Height & width		See 6						
	4.11	Acoustic performance		npd						
	4.12	Thermal transmittance	Ud to be calculated in function of the project. 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] – 20.01671 (1)	1500x2380					
			Non-essential characteristics							
	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 1 1	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg					
	4.17	Mechanical strength	4	[0960] – 21.00887.1	2380x2380, 230kg					
7	4.18	Ventilation		npd						
N 14351-1	4.19	Bullet resistance (BP version)		npd						
N N	4.20	Explosion resistance		npd						
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg					
	4.22	Behaviour between different climates		npd						
	4.23	Burglar resistance (AP version)		npd						

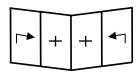
⁽¹⁾ Chicane with reinforcement





5.4 Monorail - Outside glazing - Inside/Outside Corner





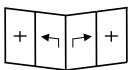
(*) Slim Chicane

		Characteristic	Perform	nance	Notified body - F	Report	Tested size [mm]	
			Fssen	tial charact		•	• •	
	l	T	C4 (160		[0960] – 20.00751 (*)		1500x2380 ⁽²⁾	
	4.2	Resistance to wind load	C3 (120 C3 (120 C5 (200	0 Pa) 0 Pa) 0 Pa)	[0960] – 20.01 [0960] – 21.00586 [0960] – 22.00	576 6 rev A 583	2000x3000 ⁽²⁾ 1800x3600 ⁽²⁾ 1500x2380 ⁽²⁾	
	4.5	Watertightness	E1200 (12 E1050 (10 9A (600 9A (600	050 Pa) 0 Pa)	[0960] – 20.00751 ^(*) [0960] – 20.01576 [0960] – 21.00586 rev A [0960] – 22.00583		1500x2380 2000x3000 1800x3600 1500x2380	
	4.6	Dangerous substances	In the mater	rials delivere	d by Reynaers, no o hEN 14351-1 a		substances as indicated in	
	4.7	Impact resistance	4		[0960] – 21.008	887.2	2380x2380	
7-1-1	4.8	Load-bearing capacity of safety devices		npd				
EN 14351-1	4.9	Height & width			See 6			
Ш			Glass:	Sliding do	or:			
	4.11	Acoustic performance	36 (-1;-5) 34 (-2;- 41 (-2;-4) 37 (-1;- 45 (-2;-6) 41 (-2;- 52 (-1;-5) 44 (-1;-		(i) [0960] – 20.0 (i) [0960] – 20.0	00651.2 00651.3	2705x2360	
	4.12	Thermal transmittance	Ud to be	Ud to be calculated in function of the project. Uf-valu certification of BCCA: certificate BPCB-420				
	4.13	Radiation properties	The	ese propertie	s must be evaluated	d by the CE	-label of the glass	
	4.14	Air permeability	4		[0960] – 20.00751 ^(*) [0960] – 20.01576 [0960] – 21.00586 rev A [0960] – 22.00583		1500x2380 2000x3000 1800x3600 1500x2380	
			Non-ess	ential chara				
	4.4.1	Reaction to fire	Anodize Painted Gasket	d: A2	EC decision 96/6 certificate EFR-21- [0432] – 230006	001664A 500-6		
	4.16	Operating forces	0 1 1		[0960] - 22.0053 [0960] - 22.00920 [0960] - 23.00	6 rev A	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg	
	4.17	Mechanical strength	4		[0960] – 21.008	387.1	2380x2380, 230kg	
7	4.18	Ventilation			npd			
EN 14351-1	4.19	Bullet resistance (BP version)			npd			
Ī	4.20	Explosion resistance			npd			
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)		[0960] - 22.0053 [0960] - 22.00920 [0960] - 23.00	6 rev A	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg	
	4.22	Behaviour between different climates			npd			
	4.23	Burglar resistance (AP version)	RC	2	[0960] – 20.01545-2		See report	





5.5 Monorail - Outside glazing - Bi-part - Inside/Outside Corner

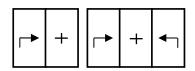


		Characteristic	Performance	Notified body - Report	Tested size [mm]				
			Essential char	acteristics					
	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 23.00640	1500x2380 ⁽²⁾				
	4.5	Watertightness	8A (450 Pa)	1500x2380					
	4.6	Dangerous substances	In the materials deliv	vered by Reynaers, no dangerous hEN 14351-1 are used.	substances as indicated in				
	4.7	Impact resistance	4	4 [0960] – 21.00887.2					
EN 14351-1	4.8	Load-bearing capacity of safety devices		npd					
EN 14	4.9	Height & width		See 6					
	4.11	Acoustic performance		npd					
	4.12	Thermal transmittance	Ud to be calculated in function of the project. 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] – 23.00640	1500x2380				
			Non-essential characteristics						
	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	4	[0960] – 21.00887.1	2380x2380, 230kg				
<u>-</u>	4.18	Ventilation		npd					
V 14351-1	4.19	Bullet resistance (BP version)		npd					
Ш	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 Monorail - Inside glazing

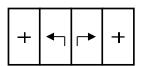


		Characteristic	Perform	ance	N	lotified body - Report	Tested size [mm]	
			Essen	tial charac	terist	ics		
	4.2	Resistance to wind load	C4 (160	0 Pa)		[0960] – 20.00526	1500x2380 ⁽²⁾	
	4.5	Watertightness	E750 (75	50 Pa)		[0960] – 20.00526	1500x2380	
	4.6	Dangerous substances	In the mater	ials deliver	red by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.			
	4.7	Impact resistance	4			[0960] – 21.00887.2	2380x2380	
-	4.8	Load-bearing capacity of safety devices		npd				
EN 14351-1	4.9	Height & width				See 6		
			Glass:	s: Sliding d				
	4.11	Acoustic performance	36 (-1;-5) 41 (-2;-4) 45 (-2;-6) 52 (-1;-5)	34 (-2;-4) 37 (-1;-4) 41 (-2;-5) 44 (-1;-4)		[0960] - 20.00651.1 [0960] - 20.00651.2 [0960] - 20.00651.3 [0960] - 20.00651.4	2705x2360	
	4.12	Thermal transmittance	Ud to be	Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.				
	4.13	Radiation properties	The	These properties must be evalu			abel of the glass	
	4.14	Air permeability	4			[0960] – 20.00526	1500x2380	
			Non-ess	ential char	acteri	stics		
	4.4.1	Reaction to fire	Anodize Painted Gasket	: A2	cer	C decision 96/603/EC tificate EFR-21-001664A [0432] – 230006500-6		
	4.16	Operating forces	0 1 1			960] – 22.00537 rev A 960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg	
	4.17	Mechanical strength	4			[0960] – 21.00887.1	2380x2380, 230kg	
7	4.18	Ventilation				npd		
EN 14351-1	4.19	Bullet resistance (BP version)				npd		
	4.20	Explosion resistance				npd		
	4.21	Resistance to repeated opening and closing	3 (20.0 3 (20.0 4 (50.0	000)		960] – 22.00537 rev A 960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg	
	4.22	Behaviour between different climates				npd		
	4.23	Burglar resistance (AP version)	RC	2	[0960] – 20.01545-2		See report	





5.7 Monorail - Inside glazing - Bi-part

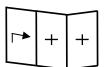


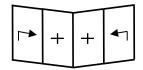
		Characteristic	Performance	Notified body - Report	Tested size [mm]					
			Essential char	acteristics						
	4.2	Resistance to wind load	C4 (1600 Pa)	[0960] – 20.00526	1500x2380 ⁽²⁾					
	4.5	Watertightness	E750 (750 Pa)	[0960] – 20.00526	1500x2380					
	4.6	Dangerous substances	In the materials deliv	vered by Reynaers, no dangerous hEN 14351-1 are used.	substances as indicated in					
	4.7	Impact resistance	4	[0960] – 21.00887.2	2380x2380					
EN 14351-1	4.8	Load-bearing capacity of safety devices		npd						
EN 14	4.9	Height & width		See 6						
	4.11	Acoustic performance		npd						
	4.12	Thermal transmittance	Ud to be calculate certifica	Ud to be calculated in function of the project. 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] – 20.00526	1500x2380					
			Non-essential characteristics							
	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 1 1	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg					
	4.17	Mechanical strength	4	[0960] – 21.00887.1	2380x2380, 230kg					
7	4.18	Ventilation		npd						
N 14351-1	4.19	Bullet resistance (BP version)		npd						
E	4.20	Explosion resistance		npd						
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg					
	4.22	Behaviour between different climates		npd						
	4.23	Burglar resistance (AP version)		npd						





5.8 Monorail - Inside glazing - Inside/Outside Corner



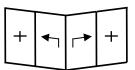


		Characteristic	Performand	e	Notified body - Re	port	Tested size [mm]
			Essentia	l charac	teristics		
	4.2	Resistance to wind load	C4 (1600 Pa	a)	[0960] – 20.0052	6	1500x2380 ⁽²⁾
	4.5	Watertightness	E750 (750 P	Pa)	[0960] – 20.00526		1500x2380
	4.6	Dangerous substances	In the materials	s deliver	vered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	4		[0960] – 21.00887	7.2	2380x2380
-	4.8	Load-bearing capacity of safety devices		npd			
EN 14351-1	4.9	Height & width			See 6		
EN	4.11	Acoustic performance	41 (-2;-4) 45 (-2;-6)	Sliding door: 34 (-2;-4 37 (-1;-4 41 (-2;-5 44 (-1;-4	[0960] - 20.006 (1) [0960] - 20.006 (2) [0960] - 20.006	651.2 651.3	2705x2360
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Uf-values are calculated unde certification of BCCA: certificate BPCB-420-72-10077/2.				
	4.13	Radiation properties	These prop		es must be evaluated	by the C	E-label of the glass
	4.14	Air permeability	4		[0960] – 20.0052	6	1500x2380
			Non-essent	tial char	acteristics		
	4.4.1	Reaction to fire	Anodized: A Painted: A2 Gaskets: E	2 (EC decision 96/603 certificate EFR-21-00 [0432] – 23000650	1664A	
	4.16	Operating forces	0 1 1		[0960] – 22.00537 r [0960] – 22.00926 r [0960] – 23.0019	ev A	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg
	4.17	Mechanical strength	4		[0960] – 21.00887	7.1	2380x2380, 230kg
7	4.18	Ventilation			npd		
EN 14351-1	4.19	Bullet resistance (BP version)			npd		
	4.20	Explosion resistance			npd		
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)		[0960] – 22.00537 r [0960] – 22.00926 r [0960] – 23.0019	ev A	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg
	4.22	Behaviour between different climates	, ,	•	npd		
	4.23	Burglar resistance (AP version)	RC2		[0960] – 20.01545-2		See report





5.9 Monorail - Inside glazing - Bi-part - Inside/Outside Corner

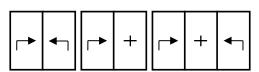


		Characteristic	Performance	Notified body - Report	Tested size [mm]					
			Essential char	acteristics						
	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 23.00640	1500x2380 ⁽²⁾					
	4.5	Watertightness	8A (450 Pa)	8A (450 Pa) [0960] – 23.00640 15						
	4.6	Dangerous substances	In the materials deliv	rered by Reynaers, no dangerous hEN 14351-1 are used.	substances as indicated in					
	4.7	Impact resistance	4	4 [0960] – 21.00887.2						
EN 14351-1	4.8	Load-bearing capacity of safety devices		npd						
EN 14	4.9	Height & width		See 6						
	4.11	Acoustic performance		npd						
	4.12	Thermal transmittance	Ud to be calculated in function of the project. 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] – 23.00640	1500x2380					
			Non-essential characteristics							
	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	4	[0960] – 21.00887.1	2380x2380, 230kg					
7	4.18	Ventilation		npd						
N 14351-1	4.19	Bullet resistance (BP version)		npd						
Ë	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 2-rail



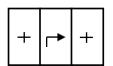
		Characteristic	Performan	се	Notified body - Report		Tested size [mm]	
			Essentia	l char	acteristic	s		
	4.2	Resistance to wind load	C3 (1200 P	a)	[0960] – 20.00744 rev A [0960] – 23.00979		1500	x2380 ⁽²⁾
	4.5	Watertightness		E1050 (1050 Pa) [0960] – 20.00 4A (150 Pa) [0960] – 23			150	0x2380
	4.6	Dangerous substances	In the material	s deliv		eynaers, no dangerous EN 14351-1 are used.	substances	as indicated in
	4.7	Impact resistance	4	4 [0960] – 21.00887.2				0x2380
	4.8	Load-bearing capacity of safety devices				npd		
EN 14351-1	4.9	Height & width		See 6				
Ë			Glass:	Slidi	ing door:			
	4.11	Acoustic performance	36(-1;-5) 41(-2;-4) 45(-2;-6) 50(-2;-8) 52(-1;-5)	41(-2;-4) 39(-1;-3) 45(-2;-6) 41(-2;-4) 50(-2;-8) 43(-1;-4)		[0757] - 22-002767-PR01 PB 01 [0757] - 22-002767-PR01 PB 01 [0757] - 22-002767-PR01 PB 01 [0757] - 22-002767-PR01 PB 01 [0757] - 22-002767-PR01 PB 02		2705x2350
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Uf-values are calculated und 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] – 20.00744 rev A [0960] – 23.00979		1500x2380	
			Non-essen	tial ch	naracteris	tics		
	4.4.1	Reaction to fire	Anodized: A Painted: A Gaskets: E	2	certifica	lecision 96/603/EC ate EFR-21-001664A 32] – 230006500-6		
	4.16	Operating forces	0 1 1		[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190		3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg	
	4.17	Mechanical strength	4		[09	60] – 21.00887.1	2380x2	380, 230kg
Σ	4.18	Ventilation				npd		
EN 14351-1	4.19	Bullet resistance (BP version)				npd		
Ü	4.20	Explosion resistance	npd					
	4.21	Resistance to repeated opening and closing		3 (20.000) [0960] – 22.00537 rev 3 (20.000) [0960] – 22.00926 rev 4 (50.000) [0960] – 23.00190			3600x3	000, 400kg 000, 500kg 000, 400kg
	4.22	Behaviour between different climates				npd		
	4.23	Burglar resistance (AP version)	RC2		[0960] – 20.01545-2		See	e report

^{*} Non-standard configuration





5.11 2-rail



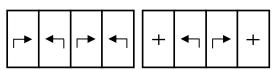
		Characteristic	Perform	ance	N	otified body - Report	Test	ed size [mm]
			Essen	tial charact	terist	ics		
	4.2	Resistance to wind load	C3 (1200	0 Pa)		[0960] – 22.00078	0078 1500x2404 ⁽²⁾	
	4.5	Watertightness	E1050 (10	050 Pa)		[0960] – 22.00078	1500x2404	
	4.6	Dangerous substances	In the mater	ials delivere		Reynaers, no dangerous hEN 14351-1 are used.	substance	es as indicated in
	4.7	Impact resistance	4			[0960] – 21.00887.2	2380x2380	
	4.8	Load-bearing capacity of safety devices		npd				
EN 14351-1	4.9	Height & width				See 6		
EN 1			Glass:	Sliding do	oor:			
	4.11	11 Acoustic performance	36(-1;-5) 41(-2;-4) 45(-2;-6) 50(-2;-8) 52(-1;-5)	41(-2;-4) 39(-1;-3) [0757] - 22-002767-PR01 45(-2;-6) 41(-2;-4) [0757] - 22-002767-PR01 50(-2;-8) 43(-1;-4) * [0757] - 22-002767-PR01		1 PB 01 1 PB 01 1 PB 01	PB 01	
	4.12	Thermal transmittance	Ud to be calculated in function of the project. 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					he glass
	4.14	Air permeability	4			[0960] – 22.00078	1	500x2404
			Non-ess	ential chara	acter	istics		
	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E		certi	C decision 96/603/EC ficate EFR-21-001664A 0432] – 230006500-6		
	4.16	Operating forces	0 1 1		[0	960] – 22.00537 rev A 960] – 22.00926 rev A [0960] – 23.00190	3600	x3000, 400kg x3000, 500kg x3000, 400kg
	4.17	Mechanical strength	4			[0960] – 21.00887.1	2380	x2380, 230kg
7	4.18	Ventilation	npd					
EN 14351-1	4.19	Bullet resistance (BP version)	npd					
Ú	4.20	Explosion resistance	npd					
	4.21	Resistance to repeated opening and closing	3 (20.0 3 (20.0 4 (50.0	000)		960] – 22.00537 rev A 960] – 22.00926 rev A [0960] – 23.00190	3600	x3000, 400kg x3000, 500kg x3000, 400kg
	4.22	Behaviour between different climates				npd		
	4.23	Burglar resistance (AP version)			npd			

^{*} Non-standard configuration





5.12 2-rail - Bi-part



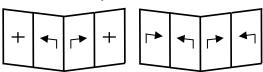
		Characteristic	Performan	ce	Notif	fied body - Report	Tested size [mm]	
			Essentia	l char	acteristic	s		
	4.2	Resistance to wind load	C3 (1200 P	a)	[0960] – 20.00744 rev A		1500x2380 ⁽²⁾	
	4.5	Watertightness	E1050 (1050	Pa)	[0960	D] – 20.00744 rev A	1500x2380	
	4.6	Dangerous substances	In the material	In the materials delivered by Reynaers, no dangerous substances as indicated hEN 14351-1 are used.				
	4.7	Impact resistance	4		[09	60] – 21.00887.2	2380x2380	
	4.8	Load-bearing capacity of safety devices		npd				
EN 14351-1	4.9	Height & width				See 6		
EN 1	4.11	Acoustic performance	36(-1;-5) 36(41(-2;-4) 39(45(-2;-6) 41(50(-2;-8) 43(-		ing door: (-2;-4) (-1;-3) (-2;-4) (-1;-4) * (-2;-3) *	[0757] - 22-002767-PF [0757] - 22-002767-PF [0757] - 22-002767-PF [0757] - 22-002767-PF [0757] - 22-002767-PF	R01 PB 01 R01 PB 01 2705x2350 R01 PB 01	
	4.12	Thermal transmittance	Ud to be calculated in function of the project. 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				-label of the glass	
	4.14	Air permeability	4		[0960] – 20.00744 rev A		1500x2380	
			Non-essen	tial ch	naracteris	tics		
	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E		certifica	decision 96/603/EC ate EFR-21-001664A 32] – 230006500-6		
	4.16	Operating forces	0 1 1		[0960 [0960	0] – 22.00537 rev A 0] – 22.00926 rev A 960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg	
	4.17	Mechanical strength	4		[09	60] – 21.00887.1	2380x2380, 230kg	
7	4.18	Ventilation	npd					
EN 14351-1	4.19	Bullet resistance (BP version)	npd					
Ú	4.20	Explosion resistance	npd					
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)		[0960	0] – 22.00537 rev A 0] – 22.00926 rev A 960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg	
	4.22	Behaviour between different climates	npd					
	4.23	Burglar resistance (AP version)	npd					

^{*} Non-standard configuration





5.13 2-rail - Bi-part - Inside/Outside Corner

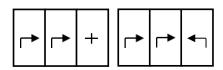


		Characteristic	Performance Notified body - Report Tested size [mm				
	I		Essential char	acteristics			
	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 23.00640	1500x2380 ⁽²⁾		
	4.5	Watertightness	8A (450 Pa)	[0960] – 23.00640	1500x2380		
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.				
	4.7	Impact resistance	4	[0960] – 21.00887.2	2380x2380		
EN 14351-1	4.8	Load-bearing capacity of safety devices		npd			
EN 14	4.9	Height & width		See 6			
	4.11	Acoustic performance	npd				
	4.12	Thermal transmittance	Ud to be calculated in function of the project. 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] – 23.00640	1500x2380		
			Non-essential ch	naracteristics			
	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				
7	4.18	Ventilation	npd				
EN 14351-1	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				





5.14 3-rail

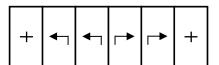


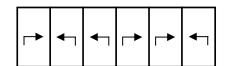
		Characteristic	Performance	Notified body - Report	Tested size [mm]			
			Essential char	acteristics				
	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 21.01396	1500x2380			
	4.5	Watertightness	8A (450 Pa)	[0960] – 21.01396	1500x2380			
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.					
	4.7	Impact resistance	4	[0960] – 21.00887.2	2380x2380			
351-1	4.8	Load-bearing capacity of safety devices	npd					
EN 14351-1	4.9	Height & width		See 6				
	4.11	Acoustic performance		npd				
	4.12	Thermal transmittance	Ud to be calculated in function of the project. 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] – 21.01396	1500x2380			
			Non-essential ch	naracteristics				
	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 1 1	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg			
	4.17	Mechanical strength	4	[0960] – 21.00887.1	2380x2380, 230kg			
7	4.18	Ventilation	npd					
N 14351-1	4.19	Bullet resistance (BP version)	npd					
EN	4.20	Explosion resistance	npd					
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg			
	4.22	Behaviour between different climates	npd					
	4.23	Burglar resistance (AP version)	npd					





5.15 3-rail - Bi-part



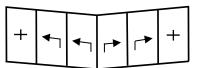


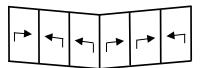
Characteristic		Characteristic	Performance	Notified body - Report	Tested size [mm]			
			Essential charac	cteristics				
	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 21.01396	1500x2380 ⁽²⁾			
	4.5	Watertightness	8A (450 Pa)	[0960] – 21.01396	1500x2380			
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.					
	4.7	Impact resistance	4	[0960] – 21.00887.2	2380x2380			
EN 14351-1	4.8	Load-bearing capacity of safety devices	npd					
EN 1	4.9	Height & width	See 6					
	4.11	Acoustic performance	npd					
	4.12	Thermal transmittance	Ud to be calculated in function of the project. 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] – 21.01396	1500x2380			
			Non-essential cha	racteristics				
	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 1 1	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg			
	4.17	Mechanical strength	4	[0960] – 21.00887.1	2380x2380, 230kg			
7	4.18	Ventilation	npd					
N 14351-1	4.19	Bullet resistance (BP version)	npd					
Ē	4.20	Explosion resistance	npd					
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg			
	4.22	Behaviour between different climates	npd					
	4.23	Burglar resistance (AP version)	npd					





5.16 3-rail - Bi-part - Inside/Outside Corner



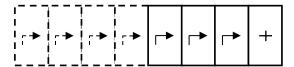


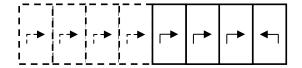
		Characteristic	Performance	Notified body - Report	Tested size [mm]				
			Essential charac	cteristics					
	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 23.00640	1500x2380 ⁽²⁾				
	4.5	Watertightness	8A (450 Pa)	[0960] – 23.00640	1500x2380				
	4.6	Dangerous substances	In the materials delive	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.					
	4.7	Impact resistance	4	[0960] – 21.00887.2	2380x2380				
EN 14351-1	4.8	Load-bearing capacity of safety devices	npd						
EN 14	4.9	Height & width		See 6					
	4.11	Acoustic performance	npd						
	4.12	Thermal transmittance	Ud to be calculated in function of the project. 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] – 23.00640	1500x2380				
			Non-essential cha	racteristics					
	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						
7	4.18	Ventilation	npd						
N 14351-1	4.19	Bullet resistance (BP version)	npd						
H N	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						





5.17 Multi-rail





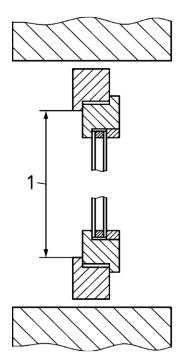
		Characteristic	Performance	Notified body - Report	Tested size [mm]				
			Essential charac	cteristics					
	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 23.00977	1500x2380 ⁽²⁾				
	4.5	Watertightness	7A (300 Pa)	[0960] – 23.00977	1500x2380				
	4.6	Dangerous substances	In the materials delive	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.					
	4.7	Impact resistance	4	[0960] – 21.00887.2	2380x2380				
351-1	4.8	Load-bearing capacity of safety devices	npd						
EN 14351-1	4.9	Height & width		See 6					
	4.11	Acoustic performance		npd					
	4.12	Thermal transmittance	Ud to be calculated certification	Ud to be calculated in function of the project. 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] – 23.00977	1500x2380				
			Non-essential cha	racteristics					
	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 1 1	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg				
	4.17	Mechanical strength	4	[0960] – 21.00887.1	2380x2380, 230kg				
<u>-</u>	4.18	Ventilation	npd						
N 14351-1	4.19	Bullet resistance (BP version)	npd						
EN	4.20	Explosion resistance	npd						
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg				
	4.22	Behaviour between different climates	npd						
	4.23	Burglar resistance (AP version)		npd					

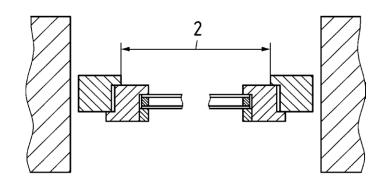




6 RULE FOR DEFINITION OF CLEAR OPENING HEIGHT AND WIDTH

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









UPDATES

13/10/2022

VARIANTS Characteristic

22.00447 5.1 4.2, 4.5, 4.14

14/12/2022

VARIANTS Characteristic

22-002767-PR01 PB 01 5.8 ~ 5.10 4.11

22-002767-PR01 PB 02 5.8 ~ 5.10 4.11

21/03/2023

VARIANTS Characteristic

22.00926 5.1 ~ 5.12 4.16, 4.21

20.00738 5.1 ~ 5.12 4.16, 4.21

26/06/2023

VARIANTS Characteristic

23.00190 5.1 ~ 5.12 4.16, 4.21

31/07/2023

VARIANTS Characteristic

23.00640 5.5 4.2, 4.5, 4.14

25/09/2023

VARIANTS Characteristic

Text revision GENERAL

EXPLANATION

Tested size [mm] 5.1 - 5.13

Text revision 5.1 - 5.13 4.12

26/10/2023

VARIANTS Characteristic

23.00977 5.17 4.2, 4.5, 4.14

23.00979 5.10 4.2, 4.5, 4.14

