

# MasterPatio

PRODUCT PASS

Date: **26-10-2023**

Language: **English**

**VITRUM**  
WINDOWS & DOORS



**Together for better**  
[www.reynaers.com](http://www.reynaers.com)

## 1 GENERAL EXPLANATION

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

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

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

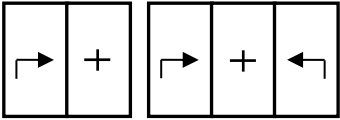
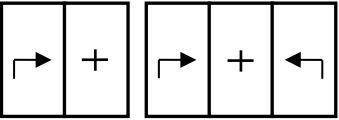
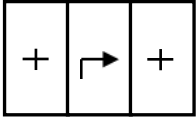
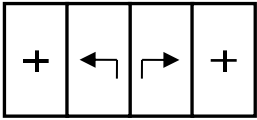
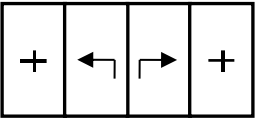
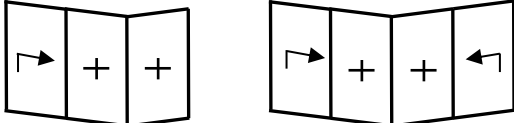
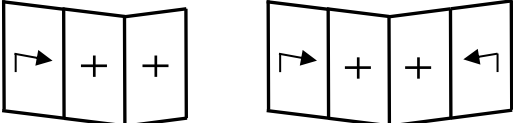
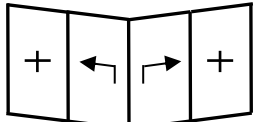
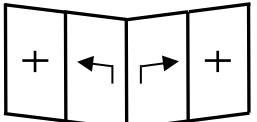
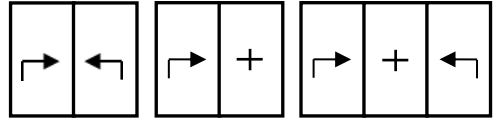
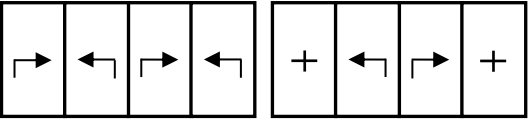
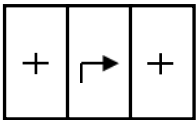
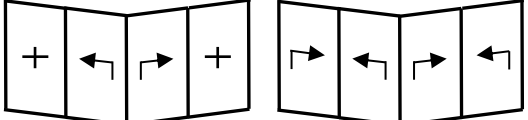
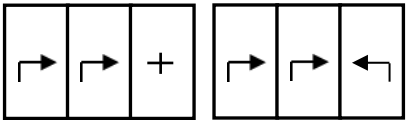
Higher performances for smaller dimensions, lower performances for larger dimensions, or similar performances for larger dimensions but with the appropriate selection of profiles and/or reinforcements are possible. Validate your performances and deflections, adhering to the maximum admissible dimensions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

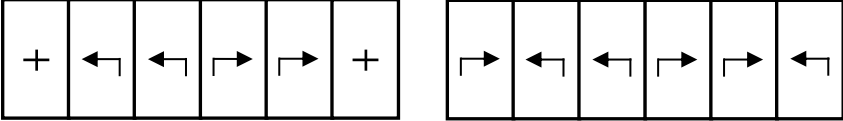
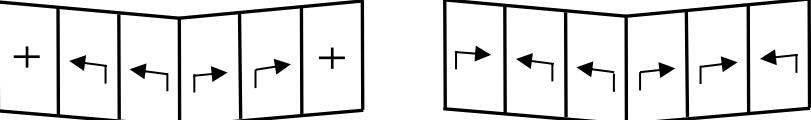
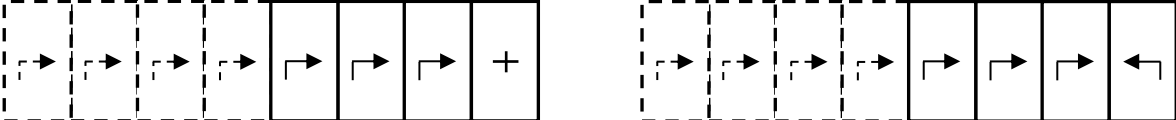
## 2 NOTIFIED BODIES

ID	Name	Address	Country
0074	CENTRE D'EXPERTISE DU BÂTIMENT ET DES TRAVAUX PUBLICS	Domaine De Saint-Paul – 102, Route de Limours 78471 Saint-Remy-Les-Chevreuse Cedex	France
0432	MATERIALPRÜFUNGSAMT NORDRHEIN-WESTFALEN	Auf den Thränen 2 59597 Erwitte	Germany
0679	CENTRE SCIENTIFIQUE ET TECHNIQUE DU BÂTIMENT	84, Avenue Jean Jaurès Champs-sur-Marne F-77447 Marne-la-Vallée Cedex 2	France
0744	SOCOTEC	Les Quadrants – 3,Avenue du Centre – Guyancourt 78182 St-Quentin en Yvelines	France
0749	BELGIAN CONSTRUCTION CERTIFICATION ASSOCIATION	Aarlenstraat 53 1040 Brussel	Belgium
0757	IFT ROSENHEIM	Theodor-Gietl-Strasse 7-9 83026 Rosenheim	Germany
0845	DANISH INSTITUTE OF FIRE AND SECURITY TECHNOLOGY	Jernholmen, 12 2650 Hvidovre	Denmark
0960	SKG-IKOB	Poppenbouwing 56 4191 NZ Geldermalsen	Netherlands
1136	BELGIAN BUILDING RESEARCH INSITUTE	Lombardstraat 42 1000 Brussel	Belgium
1234	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

Monorail	
Outside 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 	

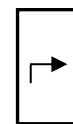
5.15	<p>Bi-part</p> 
5.16	<p>Bi-part - Inside/Outside Corner</p> 
<p><b>Multi-rail (zero threshold only)</b></p>	
5.17	

#### 4 EXPLANATIONS AND SYMBOLS

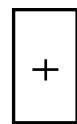
H: Element Height  
 B: Element Width  
 Fh: Vent Height  
 Fb: Vent Width  
 npd: No Performance Declared  
 CWFT: Classification Without Further Testing



Pocket



Lift sliding vent

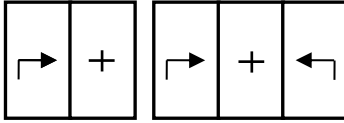


Fixed vent

<sup>(2)</sup> Tubular glazing beads:  $p < 2000 \text{ Pa}$ ,  $W \times H < 3200 \times 3200 \text{ mm}$  (fixed windows only)

## 5 PERFORMANCE

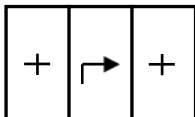
### 5.1 Monorail - Outside glazing



(\*) Slim Chicane

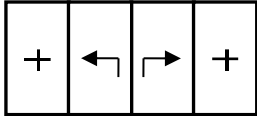
Characteristic		Performance	Notified body - Report		Tested size [mm]	
<b>Essential characteristics</b>						
EN 14351-1	4.2	Resistance to wind load	<b>C4</b> (1600 Pa) <b>C3</b> (1200 Pa) <b>C3</b> (1200 Pa) <b>C5</b> (2000 Pa)	[0960] – 20.00751 (*) [0960] – 20.01576 [0960] – 21.00586 rev A [0960] – 22.00447	1500x2380 <sup>(2)</sup> 2000x3000 <sup>(2)</sup> 1800x3600 <sup>(2)</sup> 1500x2380 <sup>(2)</sup>	
	4.5	Watertightness	<b>E1200</b> (1200 Pa) <b>E1050</b> (1050 Pa) <b>9A</b> (600 Pa) <b>9A</b> (600 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 materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.			
	4.7	Impact resistance	<b>4</b>	[0960] – 21.00887.2	2380x2380	
	4.8	Load-bearing capacity of safety devices	npd			
	4.9	Height & width	See 6			
	4.11	Acoustic performance	Glass:	Sliding door:		
			<b>36</b> (-1;-5)	<b>34</b> (-2;-4)	[0960] – 20.00651.1	2705x2360
			<b>41</b> (-2;-4)	<b>37</b> (-1;-4)	[0960] – 20.00651.2	
			<b>45</b> (-2;-6)	<b>41</b> (-2;-5)	[0960] – 20.00651.3	
	<b>52</b> (-1;-5)	<b>44</b> (-1;-4)	[0960] – 20.00651.4			
	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	<b>4</b>	[0960] – 20.00751 (*) [0960] – 20.01576 [0960] – 21.00586 rev A [0960] – 22.00447	1500x2380 2000x3000 1800x3600 1500x2380	
<b>Non-essential characteristics</b>						
EN 14351-1	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6		
	4.16	Operating forces	<b>0</b> <b>1</b> <b>1</b>	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg	
	4.17	Mechanical strength	<b>4</b>	[0960] – 21.00887.1	2380x2380, 230kg	
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version)	npd			
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	<b>3</b> (20.000) <b>3</b> (20.000) <b>4</b> (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)	<b>RC2</b>	[0960] – 20.01545-2	See report	

## 5.2 Monorail - Outside glazing



Characteristic		Performance	Notified body - Report	Tested size [mm]	
<b>Essential characteristics</b>					
EN 14351-1	4.2	Resistance to wind load	<b>C3</b> (1200 Pa)	[0960] – 22.00078	1500x2404 <sup>(2)</sup>
	4.5	Watertightness	<b>E1050</b> (1050 Pa)	[0960] – 22.00078	1500x2404
	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	<b>4</b>	[0960] – 21.00887.2	FbxFh > 2380x2380
	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. 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	<b>4</b>	[0960] – 22.00078	1500x2404
<b>Non-essential characteristics</b>					
EN 14351-1	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	<b>0</b> <b>1</b> <b>1</b>	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg
	4.17	Mechanical strength	<b>4</b>	[0960] – 21.00887.1	2380x2380, 230kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	<b>3</b> (20.000) <b>3</b> (20.000) <b>4</b> (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		

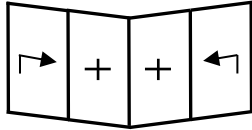
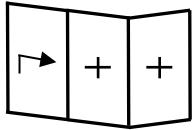
### 5.3 Monorail - Outside glazing - Bi-part



Characteristic		Performance	Notified body - Report	Tested size [mm]	
<b>Essential characteristics</b>					
EN 14351-1	4.2	Resistance to wind load	<b>B4</b> (1600 Pa)	[0960] – 20.01671 <sup>(1)</sup>	1500x2380 <sup>(2)</sup>
	4.5	Watertightness	<b>E1200</b> (1200 Pa)	[0960] – 20.01671 <sup>(1)</sup>	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	<b>4</b>	[0960] – 21.00887.2	2380x2380
	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. 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	<b>4</b>	[0960] – 20.01671 <sup>(1)</sup>	1500x2380
<b>Non-essential characteristics</b>					
EN 14351-1	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	<b>0</b> <b>1</b> <b>1</b>	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg
	4.17	Mechanical strength	<b>4</b>	[0960] – 21.00887.1	2380x2380, 230kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	<b>3</b> (20.000) <b>3</b> (20.000) <b>4</b> (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		

<sup>(1)</sup> Chicane with reinforcement

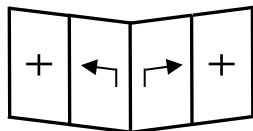
#### 5.4 Monorail - Outside glazing - Inside/Outside Corner



(\*) Slim Chicane

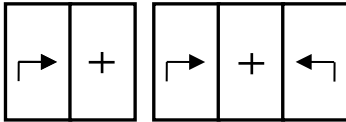
Characteristic		Performance		Notified body - Report	Tested size [mm]	
<b>Essential characteristics</b>						
EN 14351-1	4.2	Resistance to wind load	<b>C4</b> (1600 Pa) <b>C3</b> (1200 Pa) <b>C3</b> (1200 Pa) <b>C5</b> (2000 Pa)	[0960] – 20.00751 (*) [0960] – 20.01576 [0960] – 21.00586 rev A [0960] – 22.00583	1500x2380 (2) 2000x3000 (2) 1800x3600 (2) 1500x2380 (2)	
	4.5	Watertightness	<b>E1200</b> (1200 Pa) <b>E1050</b> (1050 Pa) <b>9A</b> (600 Pa) <b>9A</b> (600 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 materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.			
	4.7	Impact resistance	<b>4</b>	[0960] – 21.00887.2	2380x2380	
	4.8	Load-bearing capacity of safety devices	npd			
	4.9	Height & width	See 6			
	4.11	Acoustic performance	Glass:	Sliding door:		
			<b>36</b> (-1;-5)	<b>34</b> (-2;-4)	[0960] – 20.00651.1	2705x2360
			<b>41</b> (-2;-4)	<b>37</b> (-1;-4)	[0960] – 20.00651.2	
			<b>45</b> (-2;-6)	<b>41</b> (-2;-5)	[0960] – 20.00651.3	
	<b>52</b> (-1;-5)	<b>44</b> (-1;-4)	[0960] – 20.00651.4			
	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	<b>4</b>	[0960] – 20.00751 (*) [0960] – 20.01576 [0960] – 21.00586 rev A [0960] – 22.00583	1500x2380 2000x3000 1800x3600 1500x2380	
<b>Non-essential characteristics</b>						
EN 14351-1	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6		
	4.16	Operating forces	<b>0</b> <b>1</b> <b>1</b>	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg	
	4.17	Mechanical strength	<b>4</b>	[0960] – 21.00887.1	2380x2380, 230kg	
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version)	npd			
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	<b>3</b> (20.000)	[0960] – 22.00537 rev A	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg	
			<b>3</b> (20.000) <b>4</b> (50.000)	[0960] – 22.00926 rev A [0960] – 23.00190		
	4.22	Behaviour between different climates	npd			
4.23	Burglar resistance (AP version)	<b>RC2</b>	[0960] – 20.01545-2	See report		



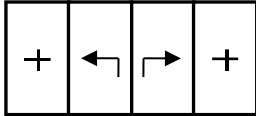
**5.5 Monorail - Outside glazing - Bi-part - Inside/Outside Corner**


Characteristic		Performance	Notified body - Report	Tested size [mm]	
<b>Essential characteristics</b>					
<b>EN 14351-1</b>	4.2	Resistance to wind load	<b>C2</b> (800 Pa)	[0960] – 23.00640	1500x2380 <sup>(2)</sup>
	4.5	Watertightness	<b>8A</b> (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	<b>4</b>	[0960] – 21.00887.2	2380x2380
	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. 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	<b>4</b>	[0960] – 23.00640	1500x2380
<b>Non-essential characteristics</b>					
<b>EN 14351-1</b>	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	npd		
	4.17	Mechanical strength	<b>4</b>	[0960] – 21.00887.1	2380x2380, 230kg
	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		

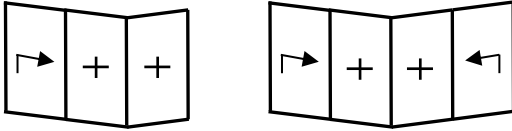
## 5.6 Monorail - Inside glazing



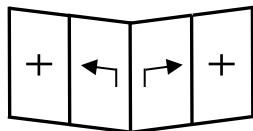
Characteristic		Performance	Notified body - Report	Tested size [mm]		
<b>Essential characteristics</b>						
EN 14351-1	4.2	Resistance to wind load	<b>C4</b> (1600 Pa)	[0960] – 20.00526	1500x2380 <sup>(2)</sup>	
	4.5	Watertightness	<b>E750</b> (750 Pa)	[0960] – 20.00526	1500x2380	
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.			
	4.7	Impact resistance	<b>4</b>	[0960] – 21.00887.2	2380x2380	
	4.8	Load-bearing capacity of safety devices	npd			
	4.9	Height & width	See 6			
	4.11	Acoustic performance	Glass:	Sliding door:		
			<b>36 (-1;-5)</b>	<b>34 (-2;-4)</b>	[0960] – 20.00651.1	2705x2360
			<b>41 (-2;-4)</b>	<b>37 (-1;-4)</b>	[0960] – 20.00651.2	
			<b>45 (-2;-6)</b>	<b>41 (-2;-5)</b>	[0960] – 20.00651.3	
	<b>52 (-1;-5)</b>	<b>44 (-1;-4)</b>	[0960] – 20.00651.4			
	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	<b>4</b>	[0960] – 20.00526	1500x2380	
<b>Non-essential characteristics</b>						
EN 14351-1	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6		
	4.16	Operating forces	<b>0</b>	[0960] – 22.00537 rev A	3600x3000, 400kg	
			<b>1</b>	[0960] – 22.00926 rev A	3600x3000, 500kg	
			<b>1</b>	[0960] – 23.00190	3600x3000, 400kg	
	4.17	Mechanical strength	<b>4</b>	[0960] – 21.00887.1	2380x2380, 230kg	
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version)	npd			
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	<b>3</b> (20.000)	[0960] – 22.00537 rev A	3600x3000, 400kg	
			<b>3</b> (20.000)	[0960] – 22.00926 rev A	3600x3000, 500kg	
		<b>4</b> (50.000)	[0960] – 23.00190	3600x3000, 400kg		
4.22	Behaviour between different climates	npd				
4.23	Burglar resistance (AP version)	<b>RC2</b>	[0960] – 20.01545-2	See report		

**5.7 Monorail - Inside glazing - Bi-part**


Characteristic		Performance	Notified body - Report	Tested size [mm]	
<b>Essential characteristics</b>					
EN 14351-1	4.2	Resistance to wind load	<b>C4</b> (1600 Pa)	[0960] – 20.00526	1500x2380 <sup>(2)</sup>
	4.5	Watertightness	<b>E750</b> (750 Pa)	[0960] – 20.00526	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	<b>4</b>	[0960] – 21.00887.2	2380x2380
	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. 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	<b>4</b>	[0960] – 20.00526	1500x2380
<b>Non-essential characteristics</b>					
EN 14351-1	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	<b>0</b> <b>1</b> <b>1</b>	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg
	4.17	Mechanical strength	<b>4</b>	[0960] – 21.00887.1	2380x2380, 230kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	<b>3</b> (20.000) <b>3</b> (20.000) <b>4</b> (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		

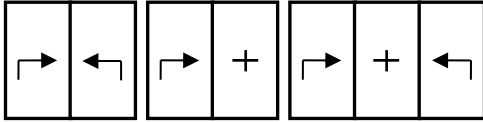
**5.8 Monorail - Inside glazing - Inside/Outside Corner**


Characteristic		Performance	Notified body - Report	Tested size [mm]		
<b>Essential characteristics</b>						
EN 14351-1	4.2	Resistance to wind load	<b>C4</b> (1600 Pa)	[0960] – 20.00526	1500x2380 <sup>(2)</sup>	
	4.5	Watertightness	<b>E750</b> (750 Pa)	[0960] – 20.00526	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	<b>4</b>	[0960] – 21.00887.2	2380x2380	
	4.8	Load-bearing capacity of safety devices	npd			
	4.9	Height & width	See 6			
	4.11	Acoustic performance	Glass: <b>36 (-1;-5)</b> <b>41 (-2;-4)</b> <b>45 (-2;-6)</b> <b>52 (-1;-5)</b>	Sliding door: <b>34 (-2;-4)</b> <b>37 (-1;-4)</b> <b>41 (-2;-5)</b> <b>44 (-1;-4)</b>	[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	These properties must be evaluated by the CE-label of the glass			
	4.14	Air permeability	<b>4</b>	[0960] – 20.00526	1500x2380	
<b>Non-essential characteristics</b>						
EN 14351-1	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6		
	4.16	Operating forces	<b>0</b> <b>1</b> <b>1</b>	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg	
	4.17	Mechanical strength	<b>4</b>	[0960] – 21.00887.1	2380x2380, 230kg	
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version)	npd			
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	<b>3</b> (20.000) <b>3</b> (20.000) <b>4</b> (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)	<b>RC2</b>	[0960] – 20.01545-2	See report	

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


Characteristic		Performance	Notified body - Report	Tested size [mm]	
<b>Essential characteristics</b>					
EN 14351-1	4.2	Resistance to wind load	<b>C2</b> (800 Pa)	[0960] – 23.00640	1500x2380 <sup>(2)</sup>
	4.5	Watertightness	<b>8A</b> (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	<b>4</b>	[0960] – 21.00887.2	2380x2380
	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. 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	<b>4</b>	[0960] – 23.00640	1500x2380
<b>Non-essential characteristics</b>					
EN 14351-1	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	npd		
	4.17	Mechanical strength	<b>4</b>	[0960] – 21.00887.1	2380x2380, 230kg
	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		

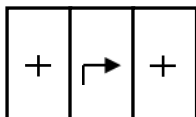
## 5.10 2-rail



Characteristic		Performance	Notified body - Report	Tested size [mm]		
<b>Essential characteristics</b>						
EN 14351-1	4.2	Resistance to wind load	<b>C3</b> (1200 Pa)	[0960] – 20.00744 rev A [0960] – 23.00979	1500x2380 <sup>(2)</sup>	
	4.5	Watertightness	<b>E1050</b> (1050 Pa) <b>4A</b> (150 Pa)	[0960] – 20.00744 rev A [0960] – 23.00979	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	<b>4</b>	[0960] – 21.00887.2	2380x2380	
	4.8	Load-bearing capacity of safety devices	npd			
	4.9	Height & width	See 6			
	4.11	Acoustic performance	Glass:	Sliding door:	2705x2350	
			<b>36(-1;-5)</b> <b>41(-2;-4)</b> <b>45(-2;-6)</b> <b>50(-2;-8)</b> <b>52(-1;-5)</b>	<b>36(-2;-4)</b> <b>39(-1;-3)</b> <b>41(-2;-4)</b> <b>43(-1;-4)*</b> <b>44(-2;-3)*</b>		[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
	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	<b>4</b>	[0960] – 20.00744 rev A [0960] – 23.00979	1500x2380	
	<b>Non-essential characteristics</b>					
	EN 14351-1	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
		4.16	Operating forces	<b>0</b> <b>1</b> <b>1</b>	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg
4.17		Mechanical strength	<b>4</b>	[0960] – 21.00887.1	2380x2380, 230kg	
4.18		Ventilation	npd			
4.19		Bullet resistance (BP version)	npd			
4.20		Explosion resistance	npd			
4.21		Resistance to repeated opening and closing	<b>3</b> (20.000) <b>3</b> (20.000) <b>4</b> (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)	<b>RC2</b>	[0960] – 20.01545-2	See report	

\* Non-standard configuration

## 5.11 2-rail

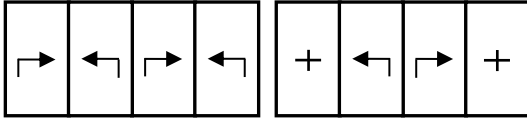


Characteristic		Performance		Notified body - Report	Tested size [mm]	
<b>Essential characteristics</b>						
EN 14351-1	4.2	Resistance to wind load	<b>C3</b> (1200 Pa)	[0960] – 22.00078	1500x2404 <sup>(2)</sup>	
	4.5	Watertightness	<b>E1050</b> (1050 Pa)	[0960] – 22.00078	1500x2404	
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.			
	4.7	Impact resistance	<b>4</b>	[0960] – 21.00887.2	2380x2380	
	4.8	Load-bearing capacity of safety devices	npd			
	4.9	Height & width	See 6			
	4.11	Acoustic performance	Glass:	Sliding door:	2705x2350	
			<b>36(-1;-5)</b> <b>41(-2;-4)</b> <b>45(-2;-6)</b> <b>50(-2;-8)</b> <b>52(-1;-5)</b>	<b>36(-2;-4)</b> <b>39(-1;-3)</b> <b>41(-2;-4)</b> <b>43(-1;-4) *</b> <b>44(-2;-3) *</b>		
	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	<b>4</b>	[0960] – 22.00078	1500x2404	
	<b>Non-essential characteristics</b>					
	EN 14351-1	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
		4.16	Operating forces	<b>0</b> <b>1</b> <b>1</b>	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg
4.17		Mechanical strength	<b>4</b>	[0960] – 21.00887.1	2380x2380, 230kg	
4.18		Ventilation	npd			
4.19		Bullet resistance (BP version)	npd			
4.20		Explosion resistance	npd			
4.21		Resistance to repeated opening and closing	<b>3</b> (20.000) <b>3</b> (20.000) <b>4</b> (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			

\* Non-standard configuration

# VITRUM

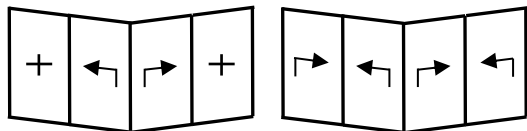
WINDOWS &amp; DOORS

**5.12 2-rail - Bi-part**


Characteristic		Performance		Notified body - Report		Tested size [mm]	
<b>Essential characteristics</b>							
EN 14351-1	4.2	Resistance to wind load	<b>C3</b> (1200 Pa)		[0960] – 20.00744 rev A		1500x2380 <sup>(2)</sup>
	4.5	Watertightness	<b>E1050</b> (1050 Pa)		[0960] – 20.00744 rev A		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	<b>4</b>		[0960] – 21.00887.2		2380x2380
	4.8	Load-bearing capacity of safety devices	npd				
	4.9	Height & width	See 6				
	4.11	Acoustic performance	Glass:	Sliding door:			2705x2350
			<b>36(-1;-5)</b>	<b>36(-2;-4)</b>	[0757] - 22-002767-PR01 PB 01		
			<b>41(-2;-4)</b>	<b>39(-1;-3)</b>	[0757] - 22-002767-PR01 PB 01		
			<b>45(-2;-6)</b>	<b>41(-2;-4)</b>	[0757] - 22-002767-PR01 PB 01		
		<b>50(-2;-8)</b>	<b>43(-1;-4) *</b>	[0757] - 22-002767-PR01 PB 01			
		<b>52(-1;-5)</b>	<b>44(-2;-3) *</b>	[0757] - 22-002767-PR01 PB 02			
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	<b>4</b>		[0960] – 20.00744 rev A		1500x2380	
<b>Non-essential characteristics</b>							
EN 14351-1	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>		EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6		
	4.16	Operating forces	<b>0</b> <b>1</b> <b>1</b>		[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190		3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg
	4.17	Mechanical strength	<b>4</b>		[0960] – 21.00887.1		2380x2380, 230kg
	4.18	Ventilation	npd				
	4.19	Bullet resistance (BP version)	npd				
	4.20	Explosion resistance	npd				
	4.21	Resistance to repeated opening and closing	<b>3</b> (20.000) <b>3</b> (20.000) <b>4</b> (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				

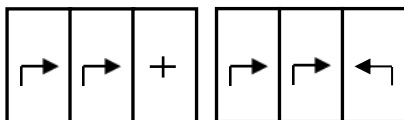
\* Non-standard configuration



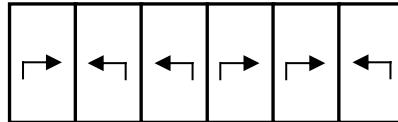
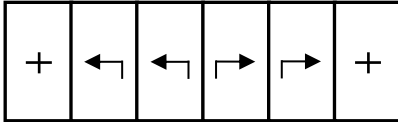
**5.13 2-rail - Bi-part - Inside/Outside Corner**


Characteristic		Performance	Notified body - Report	Tested size [mm]	
<b>Essential characteristics</b>					
EN 14351-1	4.2	Resistance to wind load	<b>C2</b> (800 Pa)	[0960] – 23.00640	1500x2380 <sup>(2)</sup>
	4.5	Watertightness	<b>8A</b> (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	<b>4</b>	[0960] – 21.00887.2	2380x2380
	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. 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	<b>4</b>	[0960] – 23.00640	1500x2380
<b>Non-essential characteristics</b>					
EN 14351-1	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	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		

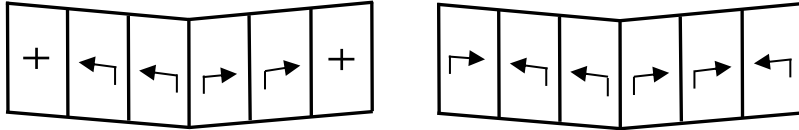
## 5.14 3-rail



Characteristic		Performance	Notified body - Report	Tested size [mm]	
<b>Essential characteristics</b>					
EN 14351-1	4.2	Resistance to wind load	<b>C2</b> (800 Pa)	[0960] – 21.01396	1500x2380
	4.5	Watertightness	<b>8A</b> (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	<b>4</b>	[0960] – 21.00887.2	2380x2380
	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. 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	<b>4</b>	[0960] – 21.01396	1500x2380
<b>Non-essential characteristics</b>					
EN 14351-1	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	<b>0</b> <b>1</b> <b>1</b>	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg
	4.17	Mechanical strength	<b>4</b>	[0960] – 21.00887.1	2380x2380, 230kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	<b>3</b> (20.000) <b>3</b> (20.000) <b>4</b> (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		

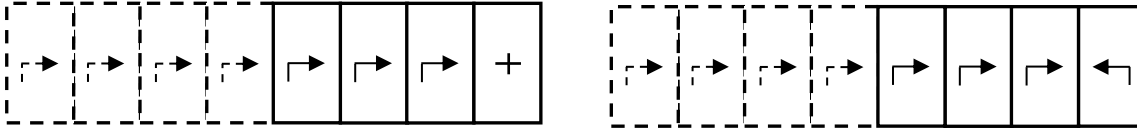
**5.15 3-rail - Bi-part**


Characteristic		Performance	Notified body - Report	Tested size [mm]	
<b>Essential characteristics</b>					
EN 14351-1	4.2	Resistance to wind load	<b>C2</b> (800 Pa)	[0960] – 21.01396	1500x2380 <sup>(2)</sup>
	4.5	Watertightness	<b>8A</b> (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	<b>4</b>	[0960] – 21.00887.2	2380x2380
	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. 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	<b>4</b>	[0960] – 21.01396	1500x2380
<b>Non-essential characteristics</b>					
EN 14351-1	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	<b>0</b> <b>1</b> <b>1</b>	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg
	4.17	Mechanical strength	<b>4</b>	[0960] – 21.00887.1	2380x2380, 230kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	<b>3</b> (20.000) <b>3</b> (20.000) <b>4</b> (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]	
<b>Essential characteristics</b>					
<b>EN 14351-1</b>	4.2	Resistance to wind load	<b>C2</b> (800 Pa)	[0960] – 23.00640	1500x2380 <sup>(2)</sup>
	4.5	Watertightness	<b>8A</b> (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	<b>4</b>	[0960] – 21.00887.2	2380x2380
	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. 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	<b>4</b>	[0960] – 23.00640	1500x2380
<b>Non-essential characteristics</b>					
<b>EN 14351-1</b>	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	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		

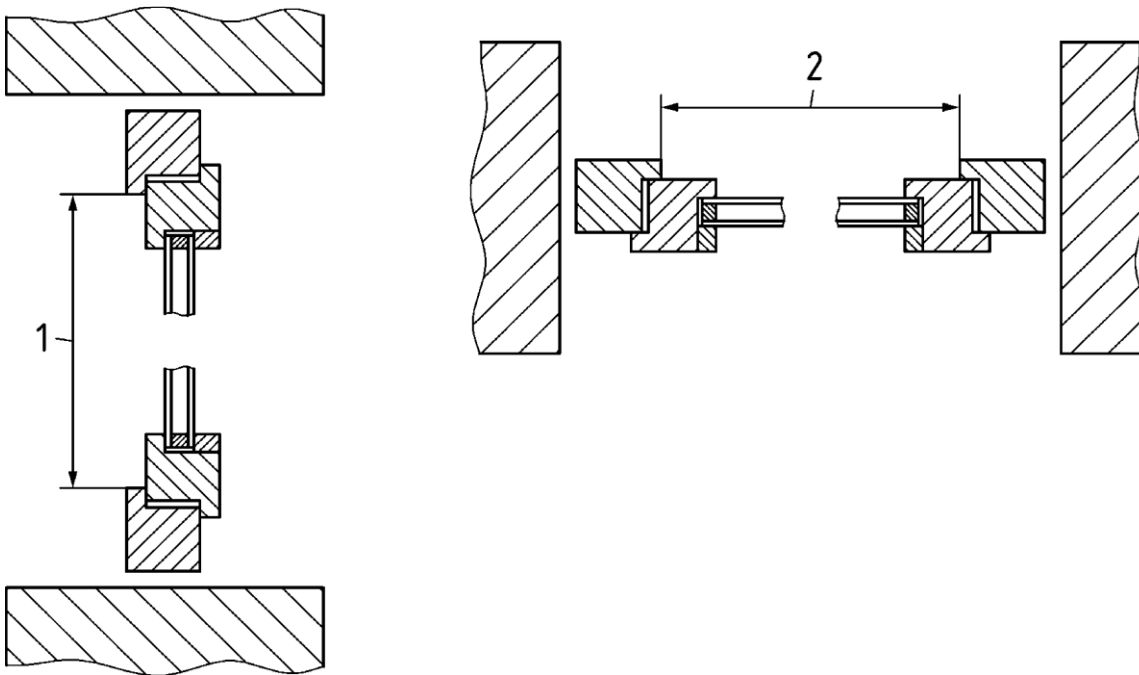
### 5.17 Multi-rail



Characteristic		Performance	Notified body - Report	Tested size [mm]	
<b>Essential characteristics</b>					
EN 14351-1	4.2	Resistance to wind load	<b>C2</b> (800 Pa)	[0960] – 23.00977	1500x2380 <sup>(2)</sup>
	4.5	Watertightness	<b>7A</b> (300 Pa)	[0960] – 23.00977	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	<b>4</b>	[0960] – 21.00887.2	2380x2380
	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. 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	<b>4</b>	[0960] – 23.00977	1500x2380
<b>Non-essential characteristics</b>					
EN 14351-1	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	<b>0</b> <b>1</b> <b>1</b>	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg
	4.17	Mechanical strength	<b>4</b>	[0960] – 21.00887.1	2380x2380, 230kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	<b>3</b> (20.000) <b>3</b> (20.000) <b>4</b> (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

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### 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