

PRODUCT PASS

1 GENERAL EXPLANATION

The following paragraphs indicate the performances which can be declared on the Declaration of Performance (DoP) in accordance with Regulation (EU) no. 305/2011 of the European Parliament and of the Council of 9 March 2011.

The listed characteristics are the essential characteristics for external pedestrian doorsets according to hEN 14351-1:2006+A2:2016 Windows and doors - Product standard, performance characteristics - Part 1: Windows and external pedestrian doorsets.

All essential characteristics should be mentioned on the DoP. Where no performance is required, NPD (No Performance Declared) can be used.

The mentioned performances are performances which can be achieved for the given dimensions when the product is fabricated following the Reynaers instruction manual (catalogue). The performances as mentioned will meet the requirements of the majority of projects.

Higher performances for smaller dimensions or lower performances for larger dimensions might be possible. In this case contact your Reynaers office. For AWW performances, the maximum dimensions indicated in the system catalogue must be respected.

It is obviously allowed to declare lower performances than those mentioned in the product pass. E.g. when resistance to wind load of 1600 Pa was tested, also 1200 Pa can be declared.

In the second part of the table the non-essential characteristics are indicated. These are the characteristics which give information about the performance of a product, but which are not legally required in any European country and thus not mandatory to declare.

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

Opening type		Covered variants	
Single-inward opening	5.1	5.2	5.3
Single-outward opening	5.4	5.5	5.6
Double-inward opening	5.7	5.8	5.9
Double-outward opening	5.10	5.11	5.12

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

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

4 EXPLANATIONS AND SYMBOLS

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



5 PERFORMANCE

5.1 Flush doors / Single-inward opening / Brush



		Characteristic	Performance	Notified body - Report	Limits (mm)				
			Essential charac	cteristics					
	4.2	Resistance to wind load	C2 (800 Pa)	[0960] - SKG/HRU/cbo/10.0106-1	FbxFh < 1352x2204				
	4.5	Watertightness	4A (150 Pa)	[0960] - SKG/HRU/cbo/10.0106-1	FbxFh < 1352x2204				
	4.6	Dangerous substances	In the materials deliv	In the materials delivered by Reynaers, no dangerous in hEN 14351-1 are used.					
	4.7	Impact resistance	5 (1)	[0960] – 09.1170	FbxFh > 604x1739				
51-1	4.8	Load-bearing capacity of safety devices		npd					
EN 14351-1	4.9	Height and Width		See 6					
	4.11	Acoustic performance	Doors: 23 (-1;-2)	[0757] – 12-000113-PR02	FbxFh < 891x2068 ~ 1304x2942				
	4.12	Thermal transmittance	dimensions 1	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 propert	ties must be evaluated by the CE	E-label of the glass				
	4.14	Air permeability	2	[0960] - SKG/HRU/cbo/10.0106-1	FbxFh < 1352x2204				
			Non-essential cha						
	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate P155748 [0432] – 230006500-4					
	4.16	Operating forces	0	[0960] - 12.1060	FbxFh < 1076x2600 129 kg				
	4.17	Mechanical strength	4	[0960] - 12.1060	FbxFh < 1076x2600 129 kg				
	4.18	Ventilation		npd					
EN 14351-1	4.19	Bullet resistance (BP version)	FB4 (NS) FB4 (S) FB6 (NS) FSG (NS) FSG (S)	[1749] – 05BP55-58 [1749] – 05BP2211-2212 [1749] – 04BP2085-2072 [1749] – 04BP2083 [1749] – 05BP2225	Remark: classes S or NS depending on ammunition				
	4.20	Explosion resistance		npd					
	4.21	Resistance to repeated opening and closing	6 (200 000)	[0960] - 12.1060	FbxFh < 1076x2600 129 kg				
	4.22	Behaviour between different climates		npd					
	4.23	Burglar resistance (AP version)	WK2 / RC2 WK3 RC3	[0960] – 0837.0285.04 [0960] – 0837.0246.04 [1136] – CAR 15025	See report				



5.2 Flush doors / Single-inward opening / Bottom profile



Characteristic Performance Notified body - Report Limits (mm) **Essential characteristics** 4.2 Resistance to wind load C2 (800 Pa) [0960] - 15.00090 FbxFh < 1400x2600 4.5 Watertightness 7A (300 Pa) [0960] - 15.00090 FbxFh < 1400x2600 In the materials delivered by Reynaers, no dangerous substances as indicated 4.6 Dangerous substances in hEN 14351-1 are used. 4.7 **5**⁽¹⁾ [0960] - 09.1170 FbxFh > 604x1739 Impact resistance Load-bearing capacity of 4.8 npd safety devices EN 14351-1 4.9 Height and Width See 6 Glass: Doors: [0757] - 12-000113-34 (-1;-4) 36 (-2;-5) FbxFh < 891x2068 ~ 4.11 Acoustic performance 41 (-2;-4) 37 (-2;-4) **PR02** 1304x2942 50 (-2;-8) 41 (-1;-4) Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. 4.12 Thermal transmittance Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2. 4.13 Radiation properties These properties must be evaluated by the CE-label of the glass 4.14 Air permeability 4 [0960] - 15.00090 FbxFh < 1400x2600 Non-essential characteristics Anodized: A1 EC decision 96/603/EC 4.4.1 Reaction to fire Painted: A2 certificate P155748 Gaskets: E [0432] - 230006500-4 FbxFh < 1076x2600 4.16 Operating forces 0 [0960] - 12.1060 129 kg FbxFh < 1076x2600 4.17 Mechanical strength 4 [0960] - 12.1060 129 kg 4.18 Ventilation npd FB4 (NS) [1749] - 05BP55-58 14351-1 FB4 (S) [1749] - 05BP2211-2212 Remark: classes S or Bullet resistance (BP FB6 (NS) [1749] - 04BP2085-2072 4.19 NS depending on version) FSG (NS) [1749] - 04BP2083 ammunition Ľ FSG (S) [1749] - 05BP2225 Explosion resistance 4.20 npd 6 FbxFh < 1076x2600 Resistance to repeated 4.21 [0960] - 12.1060 opening and closing (200 000) 129 kg Behaviour between 4.22 npd different climates WK2 / RC2 [0960] - 0837.0285.04 Burglar resistance (AP [0960] - 0837.0246.04 4.23 WK3 See report version)

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

RC3

[1136] - CAR 15025



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



		0	<u> </u>			
		Characteristic	Perform		Notified body - Report	Limits (mm)
		-	Essen	tial characte	eristics	
	4.2	Resistance to wind load	C2 (800) Pa)	[0960] - SKG/HRU/cbo/11.0635	FbxFh < 1352 x 2500
	4.5	Watertightness	3A (100	Pa)	[0960] - SKG/HRU/cbo/11.0635	FbxFh < 1352 x 2500
	4.6	Dangerous substances	In the mate	erials deliver	ed by Reynaers, no dangero in hEN 14351-1 are used	
	4.7	Impact resistance	5 (1)	,	[0960] – 09.1170	FbxFh > 604x1739
ī	4.8	Load-bearing capacity of safety devices			npd	
EN 14351-1	4.9	Height and Width			See 6	
Ξ	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 33 (-2;-5) 34 (0;-2) 36 (0;-2)	[0757] – 12-000113- PR02	FbxFh < 891x2068 ~ 1200x2942
	4.12	Thermal transmittance	Ud to be dim	Ud to be calculated in function of the project. Pre-calcula dimensions 1230x2180mm can be found in the Uf-v Uf-values are calculated under certification of BCCA: certifi 10077/2.		
	4.13	Radiation properties	These proper		s must be evaluated by the C	CE-label of the glass
	4.14	Air permeability	2		[0960] - SKG/HRU/cbo/11.0635	FbxFh < 1352 x 2500
			Non-ess	ential chara	cteristics	
	4.4.1	Reaction to fire	Anodize Painted Gasket	: A2	EC decision 96/603/EC certificate P155748 [0432] – 230006500-4	
	4.16	Operating forces	0		[0960] - 12.1060	FbxFh < 1076x2600 129 kg
	4.17	Mechanical strength	4		[0960] - 12.1060	FbxFh < 1076x2600 129 kg
	4.18	Ventilation			npd	
EN 14351-1	4.19	Bullet resistance (BP version)	FB4 (I FB4 (FB6 (I FSG (I FSG (S) NS) NS)	[1749] – 05BP55-58 [1749] – 05BP2211-2212 [1749] – 04BP2085-2072 [1749] – 04BP2083 [1749] – 05BP2225	Remark: classes S or NS depending on ammunition
	4.20	Explosion resistance			npd	
	4.21	Resistance to repeated opening and closing	6 (200 0	00)	[0960] - 12.1060	FbxFh < 1076x2600 129 kg
	4.22	Behaviour between different climates			npd	
	4.23	Burglar resistance (AP version)	WK2/ WK RC	3	[0960] – 0837.0285.04 [0960] – 0837.0246.04 [1136] – CAR 15025	See report



5.4 Flush doors / Single-outward opening / Brush



		Characteristic	Performance	Notified body - Report	Limits (mm)				
			Essential chara	cteristics					
	4.2	Resistance to wind load	C2 (800 Pa)	[0960] - SKG/HRU/cbo/10.0106-1	FbxFh < 1352x2204				
	4.5	Watertightness	4A (150 Pa)	[0960] - SKG/HRU/cbo/10.0106-1	FbxFh < 1352x2204				
	4.6	Dangerous substances	In the materials deliv	rered by Reynaers, no dangerous in hEN 14351-1 are used.	s substances as indicated				
	4.7	Impact resistance	5 ⁽¹⁾	[0960] — 09.1170	FbxFh > 604x1739				
51-1	4.8	Load-bearing capacity of safety devices		npd					
EN 14351-1	4.9	Height and Width		See 6					
	4.11	Acoustic performance	Doors: 23 (-1;-2)	[0757] – 12-000113-PR02	FbxFh < 891x2068 ~ 1304x2942				
	4.12	Thermal transmittance	dimensions 1	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		E-label of the glass				
	4.14	Air permeability	2	[0960] - SKG/HRU/cbo/10.0106-1	FbxFh < 1352x2204				
			Non-essential cha	racteristics					
	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate P155748 [0432] – 230006500-4					
	4.16	Operating forces	2	[0960] – 15.00320	FbxFh < 1408x3008 255 kg				
	4.17	Mechanical strength	4	[0960] – 15.00320	FbxFh < 1408x3008 255 kg				
-	4.18	Ventilation		npd					
EN 14351-1	4.19	Bullet resistance (BP version)	FB4 (S) FB6 (NS) FSG (NS) FSG (S)	[1749] – 05BP2211-2212 [1749] – 05BP59-60 [1749] – 04BP2080 [1749] – 05BP2225	Remark: classes S or NS depending on ammunition				
	4.20	Explosion resistance	npd						
	4.21	Resistance to repeated opening and closing	8 (1.000.000)	[0960] – 15.00320	FbxFh < 1408x3008 255 kg				
	4.22	Behaviour between different climates		npd					
	4.23	Burglar resistance (AP version)	WK2 / RC2 RC3	[0960] – 0837.0285.04 [1136] – CAR 15025	See report				

 $^{\mbox{(1)}}$ Impact resistance only valid with tubular or L-shaped glazing beads



5.5 Flush doors / Single-outward opening / Bottom profile



Characteristic Performance Notified body - Report Limits (mm) **Essential characteristics** [0960] – 12.1063 [1488] – LK01-00948-15-C3 (1200 Pa) FbxFh < 1400x3000 C2 (800 Pa) 4.2 Resistance to wind load FbxFh < 1400x2600 R84NK 4A (150 Pa) FbxFh < 1400x3000 [0960] - 12.1063 [1488] - LK01-00948-15-4.5 Watertightness **9A** (600 Pa) FbxFh < 1400x2600 R84NK In the materials delivered by Reynaers, no dangerous substances as indicated 4.6 Dangerous substances in hEN 14351-1 are used. 4.7 Impact resistance 5⁽¹⁾ [0960] - 09.1170 FbxFh > 604x1739Load-bearing capacity of 4.8 npd safety devices 14351-1 4.9 Height and Width See 6 Z Doors: Glass: 36 (-2;-5) 34 (-1;-4) [0757] - 12-000113-FbxFh < 891x2068 ~ 4.11 Acoustic performance 41 (-2;-4) 37 (-2;-4) **PR02** 1304x2942 41 (-1;-4) 50 (-2;-8) Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. 4.12 Thermal transmittance 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 FbxFh < 1400x3000 (2) [0960] - 12.1063 4.14 Air permeability 4 [1488] - LK01-00948-15-FbxFh < 1400x2600 R84NK Non-essential characteristics Anodized: A1 EC decision 96/603/EC 4.4.1 Reaction to fire Painted: A2 certificate P155748 Gaskets: E [0432] - 230006500-4 FbxFh < 1408x3008 2 4.16 Operating forces [0960] - 15.00320 255 kg FbxFh < 1408x3008 4.17 Mechanical strength 4 [0960] - 15.00320 255 kg 4.18 Ventilation npd EN 14351-1 [1749] - 05BP2211-2212 FB4 (S) Remark: classes S or Bullet resistance (BP FB6 (NŚ) [1749] - 05BP59-60 4.19 NS depending on FSG (NS) [1749] - 04BP2080 version) ammunition FSG (S) [1749] – 05BP2225 4.20 Explosion resistance npd FbxFh < 1408x3008 Resistance to repeated 8 4.21 [0960] - 15.00320 (1.000.000) opening and closing 255 kg Behaviour between 4.22 npd different climates Burglar resistance (AP WK2 / RC2 [0960] - 0837.0285.04 4.23 See report RC3 [1136] - CAR 15025 version)

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

⁽²⁾ Air permeability only valid for positive pressure



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

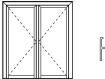


		Characteristic	Perform	ance	Notified body - Report	Limits (mm)
				ial characte		
	1		Losen			
	4.2	Resistance to wind load	C2 (800	Pa)	[0960] - SKG/HRU/cbo/11.0635	FbxFh < 1352x2500
	4.5	Watertightness	3A (100	Pa)	[0960] - SKG/HRU/cbo/11.0635	FbxFh < 1352x2500
	4.6	Dangerous substances	In the mate	rials deliver	ed by Reynaers, no dangerou in hEN 14351-1 are used.	
	4.7	Impact resistance	5 ⁽¹⁾		[0960] – 09.1170	FbxFh > 604x1739
51-1	4.8	Load-bearing capacity of safety devices			npd	
EN 14351-1	4.9	Height and Width			See 6	
Ξ	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 33 (-2;-5) 34 (0;-2) 36 (0;-2)	PR02	FbxFh < 891x2068 ~ 1200x2942
	4.12	Thermal transmittance	Ud to be calculate dimensions 12		in function of the project. Pre- 30x2180mm can be found in t d under certification of BCCA 10077/2.	he Uf-value tables.
	4.13	Radiation properties	These propert		s must be evaluated by the C	E-label of the glass
	4.14	Air permeability	2		[0960] - SKG/HRU/cbo/11.0635	FbxFh < 1352x2500
			Non-esse	ential chara	cteristics	
	4.4.1	Reaction to fire	Anodized Painted Gasket	: A2	EC decision 96/603/EC certificate P155748 [0432] – 230006500-4	
	4.16	Operating forces	2		[0960] – 15.00320	FbxFh < 1408x3008 255 kg
	4.17	Mechanical strength	4		[0960] – 15.00320	FbxFh < 1408x3008 255 kg
_	4.18	Ventilation			npd	
EN 14351-1	4.19	Bullet resistance (BP version)	FB4 (FB6 (N FSG (I FSG (IS) NS)	[1749] – 05BP2211-2212 [1749] – 05BP59-60 [1749] – 04BP2080 [1749] – 05BP2225	Remark: classes S or NS depending on ammunition
	4.20	Explosion resistance	N-7		npd	
	4.21	Resistance to repeated opening and closing	8 (1.000.0	000)	[0960] – 15.00320	FbxFh < 1408x3008 255 kg
	4.22	Behaviour between different climates			npd	
	4.23	Burglar resistance (AP version)	WK2/I RC3		[0960] – 0837.0285.04 [1136] – CAR 15025	See report

 $^{\scriptscriptstyle (1)}$ Impact resistance only valid with tubular or L-shaped glazing beads



5.7 Flush doors / Double-inward opening / Brush



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		Characteristic	Performance	Notified body - Report	Limits (mm)			
			Essential chara	cteristics	-			
	4.2	Resistance to wind load	B2 (800 Pa)	[0960] - SKG/HRU/cbo/10.0106-4	FbxFh < 1352 x 2350			
	4.5	Watertightness	3A (100 Pa)	[0960] - SKG/HRU/cbo/10.0106-4	FbxFh < 1352 x 2350			
	4.6	Dangerous substances	In the materials deliv	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.				
	4.7	Impact resistance	5 ⁽¹⁾	[0960] – SKG/HRU/age/12.0648	FbxFh > 649x1744			
51-1	4.8	Load-bearing capacity of safety devices		npd				
EN 14351-1	4.9	Height and Width		See 6				
	4.11	Acoustic performance	Doors: [0757] – 12-000113-PR02 FbxFh < 891x2068 23 (-1;-2) [0757] – 12-000113-PR02 FbxFh < 891x2068					
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72- 10077/2.					
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass					
	4.14	Air permeability	2	[0960] - SKG/HRU/cbo/10.0106-4	FbxFh < 1352 x 2350			
			Non-essential cha	racteristics				
	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate P155748 [0432] – 230006500-4				
	4.16	Operating forces	1	Conformity declaration Operation	FbxFh < 1327x2904 150 kg			
	4.17	Mechanical strength	4	Conformity declaration Mechanical	FbxFh < 1327x2904 150 kg			
51-1	4.18	Ventilation		npd				
EN 14351	4.19	Bullet resistance (BP version)		npd				
Ĩ	4.20	Explosion resistance	npd					
	4.21	Resistance to repeated opening and closing	6 (200 000)	Conformity declaration Cyclic	FbxFh < 1327x2904 150 kg			
	4.22	Behaviour between different climates		npd				
	4.23	Burglar resistance (AP version)	WK2 / RC2 RC3	[0960] – 0837.0285.04 [1136] – CAR 15025	See report			
		•	•		•			

 $^{\mbox{(1)}}$ Impact resistance only valid with tubular or L-shaped glazing beads



5.8 Flush doors / Double-inward opening / Bottom profile



		Characteristic	Performanc	ce	Notified body - Report	Limits (mm)	
			Essential	characte	ristics		
	4.2	Resistance to wind load	C2 (800 Pa	ı)	[0960] – 15.00081-Rev A	FbxFh < 1339x2352.5	
	4.5	Watertightness	6A (250 Pa	i)	[0960] – 15.00081-Rev A	FbxFh < 1339x2352.5	
	4.6	Dangerous substances	In the material	s delivere	d by Reynaers, no dangerous in hEN 14351-1 are used.	s substances as indicated	
	4.7	Impact resistance	5 ⁽¹⁾		[0960] – SKG/HRU/age/12.0648	FbxFh > 649x1744	
Ξ	4.8	Load-bearing capacity of safety devices			npd		
EN 14351-1	4.9	Height and Width			See 6		
Ξ	4.11	Acoustic performance	34 (-1;-4) 3 41 (-2;-4) 3	Doors: 35 (-3;-6) 36 (-3;-5) 40 (-1;-3)	[0757] – 12-000113- PR02	FbxFh < 891x2068 ~ 1279x2452	
	4.12	Thermal transmittance	Ud to be ca dimens	Ud to be calculated in function of the project. Pre-calculated dimensions 2000x2180mm can be found in the Uf-valu Uf-values are calculated under certification of BCCA: certificated 10077/2.			
	4.13	Radiation properties	These p	properties	ies must be evaluated by the CE-label of the glass		
	4.14	Air permeability	3		[0960] – 15.00081-Rev A	FbxFh < 1339x2352.5	
			Non-essential characteristics				
	4.4.1	Reaction to fire	Anodized: A Painted: A Gaskets: E	2	EC decision 96/603/EC certificate P155748 [0432] – 230006500-4		
	4.16	Operating forces	1		Conformity declaration Operation	FbxFh < 1327x2904 150 kg	
	4.17	Mechanical strength	4		Conformity declaration Mechanical	FbxFh < 1327x2904 150 kg	
ī	4.18	Ventilation			npd		
EN 14351-1	4.19	Bullet resistance (BP version)			npd		
ũ	4.20	Explosion resistance			npd		
	4.21	Resistance to repeated opening and closing	6 (200 000)		Conformity declaration Cyclic	FbxFh < 1327x2904 150 kg	
	4.22	Behaviour between different climates			npd		
	4.23	Burglar resistance (AP version)	WK2 / RC2 RC3	2	[0960] – 0837.0285.04 [1136] – CAR 15025	See report	



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



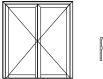


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		Characteristic	Perform		Notified body - Report	Limits (mm)
		I	Essent	tial character	ristics	
	4.2	Resistance to wind load	B2 (800	Pa)	[0960] – SKG/HRU/cbo/11.0632	FbxFh < 1352x2500
	4.5	Watertightness	3A (100	Pa)	[0960] – SKG/HRU/cbo/11.0632	FbxFh < 1352x2500
	4.6	Dangerous substances	In the mate	erials delivere	d by Reynaers, no dangerous in hEN 14351-1 are used.	s substances as indicated
	4.7	Impact resistance	5 ⁽¹⁾	•	[0960] – SKG/HRU/age/12.0648	FbxFh > 649x1744
÷	4.8	Load-bearing capacity of safety devices			npd	
EN 14351-1	4.9	Height and Width			See 6	
Ē	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 33 (-2;-5) 34 (0;-2) 36 (0;-2)	[0757] – 12-000113- PR02	FbxFh < 891x2062 ~ 1200x2452
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420- 10077/2.			
	4.13	Radiation properties	These propert		must be evaluated by the CI	E-label of the glass
	4.14	Air permeability	2		[0960] – SKG/HRU/cbo/11.0632	FbxFh < 1352x2500
	1		Non-esse	ential charac	teristics	
	4.4.1	Reaction to fire	Anodize Painted Gasket	: A2	EC decision 96/603/EC certificate P155748 [0432] – 230006500-4	
	4.16	Operating forces	1		Conformity declaration Operation	FbxFh < 1327x2904 150 kg
	4.17	Mechanical strength	4		Conformity declaration Mechanical	FbxFh < 1327x2904 150 kg
Ŀ	4.18	Ventilation			npd	
EN 14351-	4.19	Bullet resistance (BP version)			npd	
ũ	4.20	Explosion resistance			npd	
	4.21	Resistance to repeated opening and closing	6 (200 0	00)	Conformity declaration Cyclic	FbxFh < 1327x2904 150 kg
	4.22	Behaviour between different climates			npd	
	4.23	Burglar resistance (AP version)	WK2/I RC3		[0960] – 0837.0285.04 [1136] – CAR 15025	See report

 $^{\scriptscriptstyle (1)}$ Impact resistance only valid with tubular or L-shaped glazing beads



5.10 Flush doors / Double-outward opening / Brush



		Characteristic	Performance	Notified body - Report	Limits (mm)				
	T	1	Essential charac	cteristics					
	4.2	Resistance to wind load	B2 (800 Pa)	[0960] - SKG/HRU/cbo/10.0106-4	FbxFh < 1352x2350				
	4.5	Watertightness	4A (150 Pa)	[0960] - SKG/HRU/cbo/10.0106-4	FbxFh < 1352x2350				
	4.6	Dangerous substances	In the materials deliv	In the materials delivered by Reynaers, no dangerous in hEN 14351-1 are used.					
	4.7	Impact resistance	5 ⁽¹⁾	[0960] – SKG/HRU/age/12.0648	FbxFh > 649x1744				
51-1	4.8	Load-bearing capacity of safety devices		npd					
EN 14351-1	4.9	Height and Width		See 6					
-	4.11	Acoustic performance	Doors: 23 (-1;-2)	[0757] – 12-000113-PR02	FbxFh < 891x2068 ~ 1279x2452				
	4.12	Thermal transmittance	dimensions 1	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 proper	E-label of the glass					
	4.14	Air permeability	2	[0960] - SKG/HRU/cbo/10.0106-4	FbxFh < 1352x2350				
	•		Non-essential cha	racteristics					
	4.4.1	Reaction to fire	Anodized: A1 EC decision 96/603/EC Painted: A2 certificate P155748 Gaskets: E [0432] - 230006500-4						
	4.16	Operating forces	1	Conformity declaration Operation	FbxFh < 1327x2904 150 kg				
	4.17	Mechanical strength	4	Conformity declaration Mechanical	FbxFh < 1327x2904 150 kg				
Ξ	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	6 (200 000)	Conformity declaration Cyclic	FbxFh < 1327x2904 150 kg				
	4.22	Behaviour between different climates		npd	·				
	4.23	Burglar resistance (AP version)	WK2 / RC2 RC3	[0960] – 0837.0285.04 [1136] – CAR 15025	See report				

 $^{\mbox{(1)}}$ Impact resistance only valid with tubular or L-shaped glazing beads



5.11 Flush doors / Double-outward opening / Bottom profile



		Characteristic	Perform	ance	Notif	ied body - Report	Limits (mm)
			Essent	ial charact	eristics	;	
	4.2	Resistance to wind load	C2 (800	Pa)		[1488] – LK02-)948/15/R84NK	FbxFh < 1339x2352.5
	4.5	Watertightness	7A (300 Pa)			[1488] — LK02-)948/15/R84NK	FbxFh < 1339x2352.5
	4.6	Dangerous substances	In the mate	rials deliver		eynaers, no dangerous EN 14351-1 are used.	s substances as indicated
	4.7	Impact resistance	5 ⁽¹⁾		SKG	[0960] – /HRU/age/12.0648	FbxFh > 649x1744
ī	4.8	Load-bearing capacity of safety devices		·		npd	
EN 14351-1	4.9	Height and Width				See 6	
Ξ	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 35 (-3;-6) 36 (-3;-5) 40 (-1;-3))	0757] – 12-000113- PR02	FbxFh < 891x2062 ~ 1279x2452
	4.12	Thermal transmittance	Ud to be dim	ensions 20	d in function of the project. Pre-calculated U-values for 000x2180mm can be found in the Uf-value tables. ted under certification of BCCA: certificate BPCB-420-72- 10077/2.		
	4.13	Radiation properties	The	These properties must be e			E-label of the glass
	4.14	Air permeability	3			[1488] — LK02-)948/15/R84NK	FbxFh < 1339x2352.5
			Non-esse	ential chara	octeristi	cs	
	4.4.1	Reaction to fire	Anodized Painted Gaskets	: A2	cer	lecision 96/603/EC rtificate P155748 32] – 230006500-4	
	4.16	Operating forces	1		Cont	formity declaration Operation	FbxFh < 1327x2904 150 kg
	4.17	Mechanical strength	4		Cont	formity declaration Mechanical	FbxFh < 1327x2904 150 kg
51-1	4.18	Ventilation				npd	
EN 14351	4.19	Bullet resistance (BP version)			npd		
Ű	4.20	Explosion resistance				npd	
	4.21	Resistance to repeated opening and closing	6 (200 000)		Cont	formity declaration Cyclic	FbxFh < 1327x2904 150 kg
	4.22	Behaviour between different climates				npd	
	4.23	Burglar resistance (AP version)	WK2 / F RC3			0] – 0837.0285.04 36] – CAR 15025	See report



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





		Characteristic	Perform	ance	Notified body - Report	Limits (mm)		
			Essen	Essential characteristics				
	4.2	Resistance to wind load	B2 (800) Pa)	[0960] – SKG/HRU/cbo/11.0632	FbxFh < 1352x2500		
	4.5	Watertightness	3A (100) Pa)	[0960] – SKG/HRU/cbo/11.0632	FbxFh < 1352x2500		
	4.6	Dangerous substances	In the mate	erials delivered	by Reynaers, no dangerou in hEN 14351-1 are used.	s substances as indicated		
	4.7	Impact resistance	5 (1))	[0960] – SKG/HRU/age/12.0648	FbxFh > 649x1744		
ī	4.8	Load-bearing capacity of safety devices		·	npd			
EN 14351-1	4.9	Height and Width			See 6			
Ξ	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 33 (-2;-5) 34 (0;-2) 36 (0;-2)	[0757] – 12-000113- PR02	FbxFh < 891x2068 ~ 1200x2452		
	4.12	Thermal transmittance	Ud to be dim	e calculated in nensions 2000	calculated U-values for ne Uf-value tables. certificate BPCB-420-72-			
	4.13	Radiation properties	The	se properties	E-label of the glass			
	4.14	Air permeability	2		[0960] – SKG/HRU/cbo/11.0632	FbxFh < 1352x2500		
			Non-ess	ential charact	eristics			
	4.4.1	Reaction to fire	Anodize Painted Gasket	: A2	EC decision 96/603/EC certificate P155748 [0432] – 230006500-4			
	4.16	Operating forces	1		Conformity declaration Operation	FbxFh < 1327x2904 150 kg		
	4.17	Mechanical strength	4		Conformity declaration Mechanical	FbxFh < 1327x2904 150 kg		
7	4.18	Ventilation			npd			
EN 14351	4.19	Bullet resistance (BP version)						
Ű	4.20	Explosion resistance			npd			
	4.21	Resistance to repeated opening and closing	6 (200 0	00)	Conformity declaration Cyclic	FbxFh < 1327x2904 150 kg		
	4.22	Behaviour between different climates		·	npd			
	4.23	Burglar resistance (AP version)	WK2/ RC3		[0960] – 0837.0285.04 [1136] – CAR 15025	See report		

 $^{\scriptscriptstyle (1)}$ Impact resistance only valid with tubular or L-shaped glazing beads



6 RULE FOR DEFINITION OF CLEAR OPENING HEIGHT AND WIDTH

The clear opening height g and clear opening width a are defined as indicated in following sketches out of EN 12519:2004.

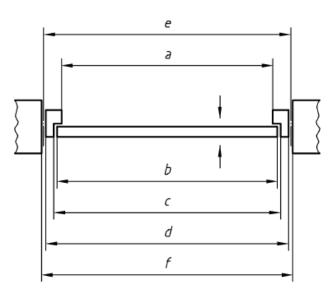


Figure 1/Figure 1/Bild 1

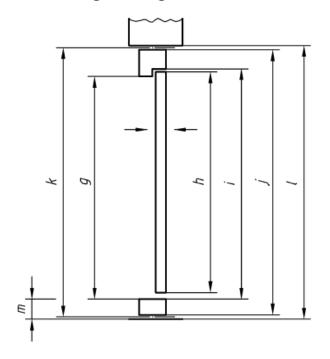


Figure 2/Figure 2/Bild 2