1.	**PRODUCT**	
	Item:	**Aluminium door-/frame construction type Masterline 8 with glazing**
	Manufacturer:	**Profil: Reynaers Aluminium NV/SA** **Oude Liersebaan 266** **B.2570 Duffel – BELGIUM** **Door: ALUSTRUKT-PLUS KFT.** **4080 Hajdúnánás, Liget út 8.**
	Manufacturing plant:	**ALUSTRUKT-PLUS KFT.** **4080 Hajdúnánás, Pázsit utca 35.** **Hungary**
	Client:	**ALUSTRUKT-PLUS KFT.** **4080 Hajdúnánás, Liget út 8.** **Hungary**
2.	**ASSESSMENT**	
	Method:	Testing and evaluating
	Basis:	EN 14351-1
3.	**Report(s):**	
	Test report(s):	See reports listed at point 3.(tables)
	Declaration(s):	Declaration for the Alustrukt-Plus Kft.. **Classification reports according to EN 14351-1 (Masterline 8 doors 220526 Product pass)**., issued: 2022. May 26.
	Summary	The product(s) was evaluated based on the protocols listed above.
	The assessment report made by: Miklos Bencz 2022.06.07 10:49:24 +02'00'	**The assessment report reviewed by:**

TÜV Rheinland InterCert Kft.
H-1143 Budapest, Gizella út 51-57.
tel.: +36-1-4611150, fax: +36-1-4611199
e-mail: tuv@hu.tuv.com – honlap: www.tuv.com/hungary/en/

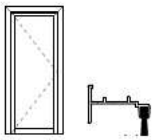
1. **PRODUCT, ENDUSE APPLICATION(S)**
   Aluminium door-/frame construction type Masterline 8 with glazing.

2. **DOCUMENTS, WHICH USED FOR THE ASSESSMENT**
   Report(s):

   Classification reports according to EN 14351-1 (Masterline 8 doors 220526 Product pass)., issued: 2022. May 26.Declaration for the Alustrukt-Plus Kft.

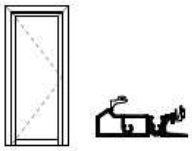
3. **BASED OF THE DOCUMENTS, USED FOR THE EVALUATION OF PRODUCTS, THE FOLLOWING EVALUATION HAS BEEN DETERMINED**

3.1. Flush doors / Single-inward opening / Brush



		Characteristic	Performance	Notified body - Report	Limits (mm)
		Essential characteristics			
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 21.00162	FbxFh < 1352x2204
	4.5	Watertightness	4A (150 Pa)	[0960] – 21.00162	FbxFh < 1352x2204
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	5 (1)	[0960] – 09.1168 (2)	FbxFh > 604x1739
	4.8	Load-bearing capacity of safety devices	Pass	[0960] – 20.00934	FbxFh < 1400x3000
	4.9	Height & width	See 6		
	4.11	Acoustic performance	Glass: 34 (-1;-4) / Doors: 23 (-1;-2)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	FbxFh = 889~1304 x 2062~2942
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	2	[0960] – 21.00162	FbxFh < 1352x2204
		Non-essential characteristics			
EN 14351-1	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	1	[0960] – 18.00012.2	FbxFh < 1400x3000 256 kg
	4.17	Mechanical strength	4	[0960] – 20.00934	FbxFh < 1400x3000 250 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	8 (1.000 000)	[0960] – 20.00934	FbxFh < 1400x3000 250 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version)	RC2 RC3	[1309] – 22-27/10.120 [1136] – GSFM-20-083	See report

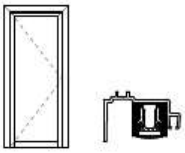
3.2. Flush doors / Single-inward opening / Bottom profile



		Characteristic	Performance	Notified body - Report	Limits (mm)
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	C3 (1200 Pa) C2 (800 Pa)	[0960] – 19.00840 [0960] – 21.00162	FbxFh < 1200x2200 FbxFh < 1400x2600
	4.5	Watertightness	7A (300 Pa)	[0960] – 19.00840 [0960] – 21.00162	FbxFh < 1200x2200 FbxFh < 1400x2600
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	5 (1)	[0960] – 09.1168 (2)	FbxFh > 604x1739
	4.8	Load-bearing capacity of safety devices	Pass	[0960] – 20.00934	FbxFh < 1400x3000
	4.9	Height & width	See 6		
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8) Doors: 37 (-2;-5) 39 (-2;-4) 43 (-2;-4) (3)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	FbxFh = 889~1279 x 2062~2452
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	4	[0960] – 19.00840 [0960] – 21.00162	FbxFh < 1200x2200 FbxFh < 1400x2600
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	1	[0960] – 18.00012.2	FbxFh < 1400x3000 256 kg
	4.17	Mechanical strength	4	[0960] – 20.00934	FbxFh < 1400x3000 250 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	8 (1.000 000)	[0960] – 20.00934	FbxFh < 1400x3000 250 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version)	RC2 RC3	[1309] – 22-27/10.120 [1136] – GSFM-20-083	See report

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

3.3. Flush doors / Single-inward opening / Automatic bottom seal

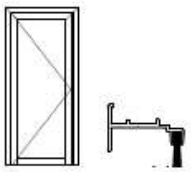


Characteristic			Performance	Notified body - Report	Limits (mm)
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 21.00162	FbxFh < 1352x2207
	4.5	Watertightness	5B (200 Pa)	[0960] – 21.00162	FbxFh < 1352x2207
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	5 (1)	[0960] – 09.1168 (2)	FbxFh > 604x1739
	4.8	Load-bearing capacity of safety devices	Pass	[0960] – 20.00934	FbxFh < 1400x3000
	4.9	Height & width	See 6		
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8) / Doors: 33 (-2;-5) 34 (-1;-3) 35 (-1;-2)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	FbxFh = 889~1200 x 2062~2942
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	3	[0960] – 21.00162	FbxFh < 1352x2207
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	1	[0960] – 18.00012.2	FbxFh < 1400x3000 256 kg
	4.17	Mechanical strength	4	[0960] – 20.00934	FbxFh < 1400x3000 250 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	8 (1.000 000)	[0960] – 18.00012.2	FbxFh < 1400 x 3000 256 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version)	RC2 RC3	[1309] – 22-27/10.120 [1136] – GSFM-20-083	See report

3.4. Window doors / Single-inward opening / Automatic bottom seal + Brush

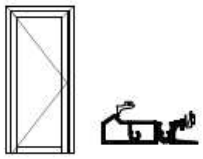
Characteristic			Performance	Notified body - Report	Limits (mm)
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	C3 (1200 Pa)	[0960] – 21.00576	FbxFh < 1200x2800
	4.5	Watertightness	npd		
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	5 (1)	[0960] – 09.1168 (2)	FbxFh > 604x1739
	4.8	Load-bearing capacity of safety devices	npd		
	4.9	Height & width	See 6		
	4.11	Acoustic performance	npd		
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	3	[0960] – 21.00576	FbxFh < 1200x2800
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: **A1** Painted: **A2** Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	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		

3.5. Flush doors / Single-outward opening / Brush



		Characteristic	Performance	Notified body - Report	Limits (mm)
		Essential characteristics			
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 21.00162	FbxFh < 1352x2204
	4.5	Watertightness	4A (150 Pa)	[0960] – 21.00162	FbxFh < 1352x2204
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	5 (1)	[0960] – 09.1168 (2)	FbxFh > 604x1739
	4.8	Load-bearing capacity of safety devices	Pass	[0960] – 20.00710.1	FbxFh < 1400x3000
	4.9	Height & width	See 6		
	4.11	Acoustic performance	Glass: 34 (-1;-4) / Doors: 23 (-1;-2)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	FbxFh = 889~1304 x 2062~2942
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	2	[0960] – 21.00162	FbxFh < 1352x2204
		Non-essential characteristics			
EN 14351-1	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	0	[0960] – 20.00710.1	FbxFh < 1400x3000 250 kg
	4.17	Mechanical strength	4	[0960] – 20.00710.1	FbxFh < 1400x3000 250 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	8 (1.000 000)	[0960] – 20.00710.1	FbxFh < 1400x3000 250 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version)	RC2 RC3	[1309] – 22-27/10.120 [1136] – GSFM-20-083	See report

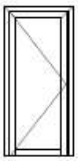
3.6. Flush doors / Single-outward opening / Bottom profile



Characteristic			Performance		Notified body - Report	Limits (mm)
Essential characteristics						
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)		[0960] – 21.00162	FbxFh < 1400x2600
	4.5	Watertightness	9A (600 Pa)		[0960] – 21.00162	FbxFh < 1400x2600
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.			
	4.7	Impact resistance	5 (1)		[0960] – 09.1168 (2)	FbxFh > 604x1739
	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 20.00710.1	FbxFh < 1400x3000
	4.9	Height & width	See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 37 (-2;-5) 39 (-2;-4) 43 (-2;-4) (3)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	FbxFh = 889~1279 x 2062~2452
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.			
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass			
	4.14	Air permeability	4		[0960] – 21.00162	FbxFh < 1400x2600
Non-essential characteristics						
EN 14351-1	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E		EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	0		[0960] – 20.00710.1	FbxFh < 1400x3000 250 kg
	4.17	Mechanical strength	4		[0960] – 20.00710.1	FbxFh < 1400x3000 250 kg
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version)	npd			
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	8 (1.000 000)		[0960] – 20.00710.1	FbxFh < 1400x3000 250 kg
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version)	RC2 RC3		[1309] – 22-27/10.120 [1136] – GSFM-20-083	See report

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

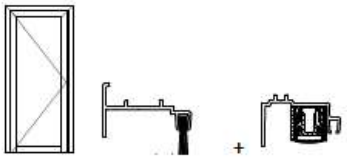
3.7. Flush doors / Single-outward opening / Automatic bottom seal



Characteristic			Performance	Notified body - Report	Limits (mm)
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 21.00162	FbxFh < 1352x2204
	4.5	Watertightness	4A (150 Pa)	[0960] – 21.00162 (3)	FbxFh < 1352x2204
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	5 (1)	[0960] – 09.1168 (2)	FbxFh > 604x1739
	4.8	Load-bearing capacity of safety devices	Pass	[0960] – 20.00710.1	FbxFh < 1400x3000
	4.9	Height & width	See 6		
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8) / Doors: 33 (-2;-5) 34 (-1;-3) 35 (-1;-2)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	FbxFh = 889~1200 x 2062~2942
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	3	[0960] – 21.00162	FbxFh < 1352x2204
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	0	[0960] – 20.00710.1	FbxFh < 1400x3000 250 kg
	4.17	Mechanical strength	4	[0960] – 20.00710.1	FbxFh < 1400x3000 250 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	8 (1.000 000)	[0960] – 20.00710.1	FbxFh < 1400x3000 250 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version)	RC2 RC3	[1309] – 22-27/10.120 [1136] – GSFM-20-083	See report

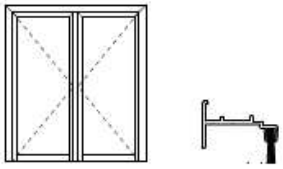
(3) Automatic bottom seal + Brush

3.8. Window doors / Single-outward opening



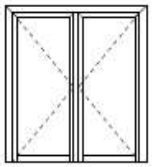
Characteristic			Performance	Notified body - Report	Limits (mm)
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	C3 (1200 Pa)	[0960] – 21.00762-0	FbxFh < 1200x2800
	4.5	Watertightness	npd		
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	5 (1)	[0960] – 09.1168 (2)	FbxFh > 604x1739
	4.8	Load-bearing capacity of safety devices	npd		
	4.9	Height & width	See 6		
	4.11	Acoustic performance	npd		
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	3	[0960] – 21.00762-0	FbxFh < 1200x2800
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: **A1** Painted: **A2** Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	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		

3.9. Flush doors / Double-inward opening / Brush



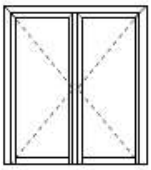
Characteristic			Performance		Notified body - Report	Limits (mm)
Essential characteristics						
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)		[0960] – 21.00162	FbxFh < 1352x2350
	4.5	Watertightness	3A (100 Pa)		[0960] – 21.00162	FbxFh < 1352x2350
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.			
	4.7	Impact resistance	5 (1)		[0960] – SKG/HRU/age/12.0649 (2)	FbxFh > 649x1742
	4.8	Load-bearing capacity of safety devices	**Pass**		[0960] – 20.00934	FbxFh < 1400x3000
	4.9	Height & width	See 6			
	4.11	Acoustic performance	Glass: **34 (-1;-4)**	Doors: **23 (-1;-2)**	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	FbxFh = 889~1279 x 2062~2452
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.			
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass			
	4.14	Air permeability	**2**		[0960] – 21.00162	FbxFh < 1352x2350
Non-essential characteristics						
EN 14351-1	4.4.1	Reaction to fire	Anodized: **A1** Painted: **A2** Gaskets: **E**		EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	**0**		[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.17	Mechanical strength	**4**		[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version)	npd			
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	**7** (500.000)		[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version)	**RC2** RC3		[1309] – 22-27/10.120 [1136] – GSFM-20-083	See report

3.10. Flush doors / Double-inward opening / Bottom profile



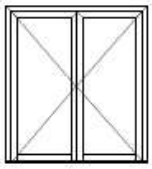
Characteristic			Performance	Notified body - Report	Limits (mm)
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 21.00162	FbxFh < 1338x2352
	4.5	Watertightness	6A (250 Pa)	[0960] – 21.00162	FbxFh < 1338x2352
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	5 (1)	[0960] – SKG/HRU/age/12.0649 (2)	FbxFh > 649x1742
	4.8	Load-bearing capacity of safety devices	Pass	[0960] – 20.00934	FbxFh < 1400x3000
	4.9	Height & width	See 6		
	4.11	Acoustic performance	Glass: **34 (-1;-4)** **41 (-2;-4)** **50 (-2;-8)** / Doors: **36 (-3;-6)** **38 (-3;-5)** **41 (-1;-3)**	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	FbxFh = 889~1279 x 2062~2452
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	3	[0960] – 21.00162	FbxFh < 1338x2352
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: **A1** Painted: **A2** Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	0	[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.17	Mechanical strength	4	[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	7 (500.000)	[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version)	**RC2** **RC3**	[1309] – 22-27/10.120 [1136] – GSFM-20-083	See report

3.11. Flush doors / Double-inward opening / Automatic bottom seal



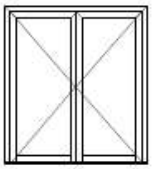
		Characteristic	Performance	Notified body - Report	Limits (mm)
		Essential characteristics			
EN 14351-1	4.2	Resistance to wind load	**B2** (800 Pa)	[0960] – 21.00162	FbxFh < 1352x2500
	4.5	Watertightness	**3A** (100 Pa)	[0960] – 21.00162	FbxFh < 1352x2500
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	**5** (1)	[0960] – SKG/HRU/age/12.0649 (2)	FbxFh > 649x1742
	4.8	Load-bearing capacity of safety devices	**Pass**	[0960] – 20.00934	FbxFh < 1400x3000
	4.9	Height & width	See 6		
	4.11	Acoustic performance	Glass: **34 (-1;-4)** **41 (-2;-4)** **50 (-2;-8)** / Doors: **33 (-2;-5)** **34 (-1;-3)** **35 (-1;-2)**	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	FbxFh = 889~1200 x 2062~2452
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	**2**	[0960] – 21.00162	FbxFh < 1352x2500
		Non-essential characteristics			
EN 14351-1	4.4.1	Reaction to fire	Anodized: **A1** Painted: **A2** Gaskets: **E**	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	**0**	[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.17	Mechanical strength	**4**	[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	**7** (500.000)	[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version)	**RC2** **RC3**	[1309] – 22-27/10.120 [1136] – GSFM-20-083	See report

3.12. Flush doors / Double-outward opening / Brush



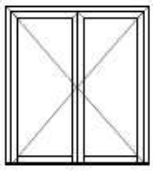
Characteristic			Performance	Notified body - Report	Limits (mm)
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	**B2** (800 Pa)	[0960] – 21.00162	FbxFh < 1352x2350
	4.5	Watertightness	**4A** (150 Pa)	[0960] – 21.00162	FbxFh < 1352x2350
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	**5** (1)	[0960] – SKG/HRU/age/12.0649 (2)	FbxFh > 649x1742
	4.8	Load-bearing capacity of safety devices	**Pass**	[0960] – 20.00710.1	FbxFh < 1400x3000
	4.9	Height & width	See 6		
	4.11	Acoustic performance	Glass: **34 (-1;-4)** / Doors: **23 (-1;-2)**	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	FbxFh = 889~1279 x 2062~2452
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	**2**	[0960] – 21.00162	FbxFh < 1352x2350
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: **A1** Painted: **A2** Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	**0**	[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.17	Mechanical strength	**4**	[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	7 (500.000)	[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version)	RC2 RC3	[1309] – 22-27/10.120 [1136] – GSFM-20-083	See report

3.13. Flush doors / Double-outward opening / Bottom profile



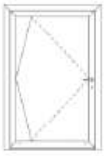
Characteristic			Performance	Notified body - Report	Limits (mm)
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 21.00162	FbxFh < 1339x2352
	4.5	Watertightness	7A (300 Pa)	[0960] – 21.00162	FbxFh < 1339x2352
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	5 (1)	[0960] – SKG/HRU/age/12.0649 (2)	FbxFh > 649x1742
	4.8	Load-bearing capacity of safety devices	Pass	[0960] – 20.00710.1	FbxFh < 1400x3000
	4.9	Height & width	See 6		
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8) / Doors: 36 (-3;-6) 38 (-3;-5) 41 (-1;-3)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	FbxFh = 889~1279 x 2062~2452
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	3	[0960] – 21.00162	FbxFh < 1339x2352
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	0	[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.17	Mechanical strength	4	[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	7 (500.000)	[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version)	RC2 RC3	[1309] – 22-27/10.120 [1136] – GSFM-20-083	See report

3.14. Flush doors / Double-outward opening /Automatic bottom seal



Characteristic			Performance		Notified body - Report	Limits (mm)
Essential characteristics						
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)		[0960] – 21.00162	FbxFh < 1352x2500
	4.5	Watertightness	3A (100 Pa)		[0960] – 21.00162	FbxFh < 1352x2500
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.			
	4.7	Impact resistance	5 (1)		[0960] – SKG/HRU/age/12.0649 (2)	FbxFh > 649x1742
	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 20.00710.1	FbxFh < 1400x3000
	4.9	Height & width	See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 33 (-2;-5) 34 (-1;-3) 35 (-1;-2)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	FbxFh = 889~1200 x 2062~2452
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.			
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass			
	4.14	Air permeability	2		[0960] – 21.00162	FbxFh < 1352x2500
Non-essential characteristics						
EN 14351-1	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E		EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	0		[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.17	Mechanical strength	4		[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.18	Ventilation	npd			
	4.19	Bullet resistance (BP version)	npd			
	4.20	Explosion resistance	npd			
	4.21	Resistance to repeated opening and closing	7 (500.000)		[0960] – 22.00323	FbxFh < 1400x2990 353 kg
	4.22	Behaviour between different climates	npd			
	4.23	Burglar resistance (AP version)	RC2 RC3		[1309] – 22-27/10.120 [1136] – GSFM-20-083	See report

3.15. Pivot door



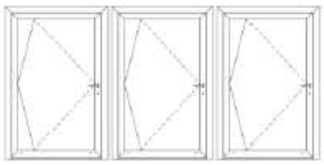
		Characteristic	Performance	Notified body - Report	Limits (mm)
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	C3 (1200 Pa)	[0960] – 19.00305 (5)	FbxFh < 1700x2700
	4.5	Watertightness	**4A** (150 Pa)	[0960] – 19.00305 (5)	FbxFh < 1700x2700
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	npd		
	4.8	Load-bearing capacity of safety devices	**Pass**	[0960] – 18.01316	FbxFh < 1700x2700
	4.9	Height & width	See 6		
	4.11	Acoustic performance	npd		
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	**4**	[0960] – 19.00305 (5)	FbxFh < 1700x2700
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: **A1** Painted: **A2** Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	**1**	[0960] – 18.01316	FbxFh < 1700x2700 204 kg
	4.17	Mechanical strength	**4**	[0960] – 18.01316	FbxFh < 1700x2700 204 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	**5** (100 000)	[0960] – 18.01316	FbxFh < 1700x2700 204 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version)	**RC2**	[1136] – CAR-19-075 [1136] – CAR-19-257	See report

(5) With double manual lock

3.16. Pivot door XL

Characteristic			Performance	Notified body - Report	Limits (mm)
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 20.00498	FbxFh < 2000x3200
	4.5	Watertightness	4A (150 Pa)	[0960] – 20.00498	FbxFh < 2000x3200
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	npd		
	4.8	Load-bearing capacity of safety devices	Pass	[0960] – 21.00298	FbxFh < 2500x3559
	4.9	Height & width	See 6		
	4.11	Acoustic performance	npd		
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	3	[0960] – 20.00498	FbxFh < 2000x3200
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	2	[0960] – 21.00298	FbxFh < 2500x3559 488 kg
	4.17	Mechanical strength	4	[0960] – 21.00298	FbxFh < 2500x3559 488 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	5 (100 000)	[0960] – 21.00298	FbxFh < 2500x3559 488 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version)	npd		

3.17. Multi-leaf pivot door XL



Characteristic			Performance	Notified body - Report	Limits (mm)
Essential characteristics					
EN 14351-1	4.2	Resistance to wind load	**B2** (800 Pa)	[0960] – 20.00737	FbxFh < 1865x3500
	4.5	Watertightness	npd		
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.		
	4.7	Impact resistance	npd		
	4.8	Load-bearing capacity of safety devices	**Pass**	[0960] – 21.00298	FbxFh < 2500x3559
	4.9	Height & width	See 6		
	4.11	Acoustic performance	npd		
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	**2**	[0960] – 20.00737	FbxFh < 1865x3500
Non-essential characteristics					
EN 14351-1	4.4.1	Reaction to fire	Anodized: **A1** Painted: **A2** Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	**2**	[0960] – 21.00298	FbxFh < 2500x3559 488 kg
	4.17	Mechanical strength	**4**	[0960] – 21.00298	FbxFh < 2500x3559 488 kg
	4.18	Ventilation	npd		
	4.19	Bullet resistance (BP version)	npd		
	4.20	Explosion resistance	npd		
	4.21	Resistance to repeated opening and closing	**5** (100 000)	[0960] – 21.00298	FbxFh < 2500x3559 488 kg
	4.22	Behaviour between different climates	npd		
	4.23	Burglar resistance (AP version)	npd		

4. VALIDITY

The assessment remains valid provided that the test methods and / or the factory production control requirements specified by the standard for verifying the declared performance characteristics remain unchanged and the manufacturing conditions applied on the product and site (s) remain unchanged.

5. Remarks

The size limits and the dimensions of the doors, and the type and size of the glazing according to the former tables at point 3.