

## Certificate of constancy of performance

0336 – CPR – 24091656 - 009

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product(s)

### **Natural smoke and heat exhaust ventilator with intended use to be installed as a component of natural smoke and heat exhaust system**

Specified by the commercial name(s)  
**BLUESTEEL RPT**

**Energ(y)(ies) :**  
**PNEU / PNEU + ACCES / ELEC**

placed on the market under the name or trade mark  
**BLUETEK**

**Siège social : ZI Nord les Pins – 37230 Luynes**

and produced in the manufacturing plant(s)  
**SIH : Le Haras – 57430 Sarralbe**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of standard(s)

**EN 12101-2:2003**

under system 1 for the performances set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product

This certificate was first issued on 2<sup>nd</sup> July 2012 under the Construction Products Directive 89/106/EEC (CPD) and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

TÜV Rheinland Nederland BV  
Westervoortsedijk 73, gebouw SB  
NL – 6827 AV Arnhem  
The Netherlands

Arnhem, 10<sup>th</sup> March 2017



C.C.M. van Houten, Operational Manager

**Certificate of constancy of performance**  
0336 – CPR – 24091656 - 009

**Annex 1**  
**Natural smoke and heat exhaust ventilator**

Commercial name :  
**BLUESTEEL RPT**

**Energ(y)(ies) :**  
**PNEU / PNEU + ACCES / ELEC**

<b>Field of Application</b>			
<b>Energy</b>	<b>PNEUMATIC</b>		<b>ELECTRIC</b>
	<b>Central Position</b>	<b>Lateral position (Roof Acces)</b>	<b>Central Position</b>
Identification of product(s) certified (reference)	Bluesteel RPT PNEU	Bluesteel RPT PNEU + ACCES	Bluesteel RPT ELEC
La min (mm)	800	800	1000
La max (mm)	2000	1300	1400
Lo min (mm)	700	700	1000
Lo max (mm)	3000	1300	2000
Opening angle (°)	140° ou 165° (depending on the fillings)		140° ou 165° (depending on the fillings)
Opening type	Type B	Type B	Type B
<b>Declared Values</b>			
Filling (reaction to fire)	PCA 16 to 20mm (B-s1,d0) PCA 16 to 32mm Pearl Inside (B-s1,d0) Sunlite Control (B-S2,do) Dôme/Pyramide PC (B-s2,d0) Double or triple insulate glass (A1)		PCA 32mm (B-s2,d0) BSL (B-s2,do) Dôme/Pyramide PMMA (E,d2) Capot Alu Isolé (A1)
Aerodynamic free area	See aerodynamics report: 1368-CPD-T-101/2010-B, 1368-CPD-T-102/2010-B, 1368-CPD-T-107/2010-B, 1368-CPR-T-183/2013-B, 1368-CPR-T-184/2013-B		See aerodynamics report: 1368-CPD-T-101/2010-B, 1368-CPD-T-102/2010-B, 1368-CPD-T-107/2010-B, 1368-CPR-T-183/2013-B, 1368-CPR-T-184/2013-B
Reliability	Re 1000		Re 1000
Dual function for ventilation	Re 10 000 - partial opening (stroke cylinder aeration of 300 or 500mm, electrical or pneumatical) (all infill) - total opening (dependent of dimension and filling)		Re 10.000 - partial opening
Opening under load	SL 250, SL500, SL 550, SL 750 (dependent of dimension and filling)		SL 250, SL 550, SL 750, (dependent of dimension and filling)
Low ambient temperature	T(-15)		T(-15)
Wind load	WL 1500 WL 3000 (S ≤2m²)	WL 1500	WL 1500
	Resistance to wind induced vibration satisfactory with deflectors made of galvanized sheet		
Resistance to heat	B300	B300	B300

- end of certificate -

Certificate 24091656-009  
10<sup>th</sup> March 2017  
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**DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS**

According to Construction Products Council Directive UE N°305/2011

**Product range designation (§2\*)**

**BLUESTEEL RPT ELEC**

**Products alternatives concerned :**

**BLUESTEEL RPT ELEC STD/MAX (STRAIGHT)**

**Intended use (§3\*) :**

Facade  Roof

§1\* : The full identification of the product is based on :  
- its order number and date of production indicated on the tracking sticker  
- its full designation : product range designation + alternative + infill + dimensions

DOP\_EN12101-2\_BLUESTEEL RPT ELEC

N°:10.01

**Name, registered trade name or trade mark and contact address of manufacturer (§4\*)**

Name : BLUETEK (Siège social : ZI Nord les Pins - 37230 Luynes)

Production units locations : HEXADOME : H001-ZI Nord les Pins - 37230 Luynes/H002-Rue Marc Seguin - 63600 Ambert // SIH : S001-Le Haras - 57430 Sarralbe // SODILIGHT : S002-Route de Saulon - 21220 Gevrey-Chambertin

**Product description (§3\*)**

- Single opening flap, electric mechanism, opening angle 165°.
- Steel upstand Height mini 350 mm
- With EPDM gaskets, silicone and aluminium thermally broken profile
  - STD : Without windshiled
  - MAX : With windshields

**Intended use of the construction product, in accordance with the applicable harmonised technical specification (§3\*)**

Maximum authorized inclination of the device :

- No laying direction for slope from 0 to 10 % (0 à 5°)
- Hinges at the bottom of the slope for slope from > 10 to 40% (5 to 22°)

Product Range : Dim. Com. mini : 1 x 1m - Dim. Com. maxi : 1,4 x 2,0m

**Possible options (§3\*)**

- Contactors open/close
- Fall protection system : Griddle without impact on aeraulic coefficient.
- Daily ventilation by half opening of one flap

**System or systems of assessment and verification of constancy of the construction product (§6 7 \*)**

The certificate of constancy of performance issued by the notified product certified body TÜV N° 0336 in accordance to the Annex ZA of the norm EN 12 101-2 2003 following system 1 on the basis of initial inspection of the manufacturing plant and of factory production control and continuous surveillance, assessment and evaluation of factory production control, Certificate N°0336-CPR-24091656-009

**Declared performances (§9\*)**

		Reference EN 12 101-2	
Aerodynamic free are Aa	Please seen below table	§ 6, annex B	In case of questions, test report references, dates of issuance and names of laboratories can be given by the notifying body to the surveillance authority.
Automatic opening temperature	≥ 68°C	§ 4.1	
Opening Type	Type B	§ 4.3	
Reliability	Re 1 000 (10 000 for ventilation, half opening)	§ 7.1, annex C	
Opening under load	SL 250 - SL 550 - SL 750 - SL 1000 (Please seen below table)	§ 7.2, annex D	
Low ambient temperature	T (-15)	§ 7.3, annex E	
Stability under wind load	WL 1500	§ 7.4, annex F	
Resistance to heat	B 300	§ 7.5, annex G	
Fire reaction	PCA 16 to 20mm (B-s2,d0) - PCA 32mm (B-s2,d0) - PCA 16 to 32mm Pearl Inside (B-s2,d0) - BSL (B-s2,d0) - Sunlite Control (B-S2,d0) - PMMA Dome/Pyramid (E,d2) - PC Dome/Pyramid (B-s2,d0) - Standard aluminium cover (A1)	§ 7.5.2.1	

Commercial dimensions			STD	MAX	PCA 20/32 - BSL - PCA 16 PEARL INSIDE										CAPOT ALU STANDARD - PCA 20/32 PEARL INSIDE											
					Intensité (A) et Voltage (V) en fonction de la surcharge neige										Intensité (A) et Voltage (V) en fonction de la surcharge neige											
Dim. Com.	Dim. Lum.	Av (SGO)	Aa (SUE)	Aa (SUE)	Windshields Height	SL 250	SL 550	SL 750	SL 1000	Voltage	SL 250	SL 550	SL 750	SL 1000	Voltage	SL 250	SL 550	SL 750	SL 1000	Voltage	SL 250	SL 550	SL 750	SL 1000	Voltage	
cm	cm	m <sup>2</sup>	m <sup>2</sup>	m <sup>2</sup>	mm	A	A	A	A	V	A	A	A	A	V	A	A	A	A	V	A	A	A	A	V	
100/100	100/100	1,00	0,58	0,65	150	4,50	4,50	4,50		24	2,50	2,50	2,50		48	4,50	4,50	4,50		24	2,50	2,50	2,50		48	
110/110	110/110	1,21	0,68	0,79	150	4,50	4,50	4,50		24	2,50	2,50	2,50		48	4,50	4,50	4,50		24	2,50	2,50	2,50		48	
120/120	120/120	1,44	0,81	0,94	150	4,50	4,50	4,50		24	2,50	2,50	2,50		48	4,50	4,50	4,50		24	2,50	2,50	2,50		48	
130/130	130/130	1,69	0,96	1,10	150	4,50	4,50	4,50		24	2,50	2,50	2,50		48	4,50	4,50	4,50		24	2,50	2,50	2,50		48	
140/140	140/140	1,96	1,08	1,25	150	4,50	4,50			24	2,50	2,50			48	4,50	4,50			24	2,50	2,50			48	
100/130	100/130	1,30	0,73	0,85	150	4,50	4,50			24	2,50	2,50			48											
100/140	100/140	1,40	0,76	0,90	150	4,50	4,50			24	2,50	2,50			48											
100/150	100/150	1,50	0,81	0,96	150	4,50	4,50			24	2,50	2,50			48											
100/200	100/200	2,00	1,04	1,28	150	4,50	4,50			24	2,50	2,50			48											
120/140	120/140	1,68	0,91	1,08	150	4,50	4,50			24	2,50	2,50			48											
120/160	120/160	1,92	1,04	1,23	150	4,50	4,50			24	2,50	2,50			48											
120/170	120/170	2,04	1,10	1,31	150	4,50	4,50			24	2,50	2,50			48											
120/180	120/180	2,16	1,12	1,38	150	4,50	4,50			24	2,50	2,50			48											
120/200	120/200	2,40	1,25	1,54	150	4,50	4,50			24	2,50	2,50			48											
140/160	140/160	2,24	1,23	1,43	150	4,50	4,50			24	2,50	2,50			48											
140/200	140/200	2,80	1,48	1,76	200	4,50	4,50			24	2,50	2,50			48											

Values of catalogue products - For other dimensions, please consult us  
Dim. Lum. : Light dimensions (Top opening of the upstand)  
Dim. Com. : Commercial dimensions (Bottom opening of the upstand)

□ : configuration not available  
X : configuration available

(1) Cartridge for the thermofuse

The performance of the product identified in points §1 et §2 is in conformity with the declared performance in point §9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point §4.

Signed for and on behalf of the manufacturer by Philippe FRITZINGER, President of BLUETEK  
The 02/07/2018 in Luynes

\* Chapter § numbers according to annexe 3 of CPR UE N°305/2011



**DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS**

According to Construction Products Council Directive UE N°305/2011

**Product range designation (§2\*)**

**BLUESTEEL RPT ELEC**

**Products alternatives concerned :**

**BLUESTEEL RPT ELEC STD/MAX (CURVED)**

**Intended use (§3\*) :**

Facade  Roof

§1\* : The full identification of the product is based on :  
- its order number and date of production indicated on the tracking sticker  
- its full designation : product range designation + alternative + infill + dimensions

DOP\_EN12101-2\_BLUESTEEL RPT ELEC

N°:10.02

**Name, registered trade name or trade mark and contact address of manufacturer (§4\*)**

Name : BLUETEK (Siège social : ZI Nord les Pins - 37230 Luynes)

Production units locations : HEXADOME : H001-ZI Nord les Pins - 37230 Luynes/H002-Rue Marc Seguin - 63600 Ambert // SIH : S001-Le Haras - 57430 Sarralbe // SODILIGHT : S002-Route de Saulon - 21220 Gevrey-Chambertin

**Product description (§3\*)**

- Single opening flap, electric mechanism, opening angle 165°.
- Steel upstand Height mini 350 mm
- With EPDM gaskets, silicone and aluminium thermally broken profile
  - STD : Without windshiled
  - MAX : With windshields

**Intended use of the construction product, in accordance with the applicable harmonised technical specification (§3\*)**

Maximum authorized inclination of the device :

- No laying direction for slope from 0 to 10 % (0 à 5°)
- Hinges at the bottom of the slope for slope from > 10 to 40% (5 to 22°)

Product Range : Dim. Com. mini : 1,1 x 1,1m - Dim. Com. maxi : 1,5 x 2,1m

**Possible options (§3\*)**

- Contactors open/close
- Fall protection system : Griddle without impact on aerualic coefficient.
- Daily ventilation by half opening of one flap

**System or systems of assessment and verification of constancy of the construction product (§6 7 \*)**

The certificate of constancy of performance issued by the notified product certified body TÜV N° 0336 in accordance to the Annex ZA of the norm EN 12 101-2 2003 following system 1 on the basis of initial inspection of the manufacturing plant and of factory production control and continuous surveillance, assessment and evaluation of factory production control, Certificate N°0336-CPR-24091656-009

**Declared performances (§9\*)**

		Reference EN 12 101-2	
Aerodynamic free are Aa	Please seen below table	§ 6, annex B	In case of questions, test report references, dates of issuance and names of laboratories can be given by the notifying body to the surveillance authority.
Automatic opening temperature	≥ 68°C	§ 4.1	
Opening Type	Type B	§ 4.3	
Reliability	Re 1 000 (10 000 for ventilation, half opening)	§ 7.1, annex C	
Opening under load	SL 250 - SL 550 - SL 750 - SL 1000 (Please seen below table)	§ 7.2, annex D	
Low ambient temperature	T (-15)	§ 7.3, annex E	
Stability under wind load	WL 1500	§ 7.4, annex F	
Resistance to heat	B 300	§ 7.5, annex G	
Fire reaction	PCA 16 to 20mm (B-s2,d0) - PCA 32mm (B-s2,d0) - PCA 16 to 32mm Pearl Inside (B-s2,d0) - BSL (B-s2,d0) - Sunlite Control (B-S2,d0) - PMMA Dome/Pyramid (E,d2) - PC Dome/Pyramid (B-s2,d0) - Standard aluminium cover (A1)	§ 7.5.2.1	

Commercial dimensions			STD	MAX	PCA 20/32 - BSL - PCA 16 PEARL INSIDE										CAPOT ALU STANDARD - PCA 20/32 PEARL INSIDE											
					Intensité (A) et Voltage (V) en fonction de la surcharge neige										Intensité (A) et Voltage (V) en fonction de la surcharge neige											
Dim. Com.	Dim. Lum.	Av (SGO)	Aa (SUE)	Aa (SUE)	Windshields Height	SL 250	SL 550	SL 750	SL 1000	Voltage	SL 250	SL 550	SL 750	SL 1000	Voltage	SL 250	SL 550	SL 750	SL 1000	Voltage	SL 250	SL 550	SL 750	SL 1000	Voltage	
cm	cm	m <sup>2</sup>	m <sup>2</sup>	m <sup>2</sup>	mm	A	A	A	A	V	A	A	A	A	V	A	A	A	A	V	A	A	A	A	V	
110/110	100/100	1,21	0,73	0,83	150	4,50	4,50	4,50		24	2,50	2,50	2,50		48	4,50	4,50	4,50		24	2,50	2,50	2,50		48	
120/120	110/110	1,44	0,84	0,99	150	4,50	4,50	4,50		24	2,50	2,50	2,50		48	4,50	4,50	4,50		24	2,50	2,50	2,50		48	
130/130	120/120	1,69	0,98	1,18	150	4,50	4,50	4,50		24	2,50	2,50	2,50		48	4,50	4,50	4,50		24	2,50	2,50	2,50		48	
140/140	130/130	1,96	1,14	1,39	200	4,50	4,50	4,50		24	2,50	2,50	2,50		48	4,50	4,50	4,50		24	2,50	2,50	2,50		48	
150/150	140/140	2,25	1,31	1,58	200	4,50	4,50			24	2,50	2,50			48	4,50	4,50			24	2,50	2,50			48	
120/140	110/130	1,68	0,97	1,16	150	4,50	4,50			24	2,50	2,50			48											
120/160	110/150	1,92	1,08	1,34	200	4,50	4,50			24	2,50	2,50			48											
120/170	110/160	2,04	1,14	1,43	200	4,50	4,50			24	2,50	2,50			48											
120/180	110/170	2,16	1,21	1,51	200	4,50	4,50			24	2,50	2,50			48											
120/200	110/190	2,40	1,30	1,68	200	4,50	4,50			24	2,50	2,50			48											
140/160	130/150	2,24	1,25	1,57	200	4,50	4,50			24	2,50	2,50			48											
140/200	130/190	2,80	1,51	1,96	260	4,50	4,50			24	2,50	2,50			48											
150/200	140/190	3,00	1,68	2,07	260	4,50	4,50			24	2,50	2,50			48											

Values of catalogue products - For other dimensions, please consult us  
 Dim. Lum. : Light dimensions (Top opening of the upstand) X : configuration not available (1) Cartridge for the thermofuse  
 Dim. Com. : Commercial dimensions (Bottom opening of the upstand)

The performance of the product identified in points §1 et §2 is in conformity with the declared performance in point §9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point §4.

Signed for and on behalf of the manufacturer by Philippe FRITZINGER, President of BLUETEK

The 02/07/2018 in Luynes

\* Chapter § numbers according to annexe 3 of CPR UE N°305/2011





**DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS**

According to Construction Products Council Directive UE N°305/2011

**Product range designation (§2\*)**

**BLUESTEEL RPT ELEC**

**Products alternatives concerned :**

**BLUESTEEL RPT ELEC STD/MAX (STRAIGHT)**

**Intended use (§3\*) :**

Facade  Roof

§1\* : The full identification of the product is based on :  
- its order number and date of production indicated on the tracking sticker  
- its full designation : product range designation + alternative + infill + dimensions

DOP\_EN12101-2\_BLUESTEEL RPT ELEC

N°:10.06

**Name, registered trade name or trade mark and contact adress of manufacturer (§4\*)**

Name : BLUETEK (Siège social : ZI Nord les Pins - 37230 Luynes)

Production units locations : HEXADOME : H001-ZI Nord les Pins - 37230 Luynes/H002-Rue Marc Seguin - 63600 Ambert // SIH : S001-Le Haras - 57430 Sarralbe // SODILIGHT : S002-Route de Saulon - 21220 Gevrey-Chambertin

**Product description (§3\*)**

- Single opening flap, electric mechanism, opening angle 140°.
- Steel upstand Height mini 350 mm
- With EPDM gaskets, silicone and aluminium thermally broken profile
  - STD : Without windshiled
  - MAX : With windshields

**Intended use of the construction product, in accordance with the applicable harmonised technical specification (§3\*)**

Maximum authorized inclination of the device :

- No laying direction for slope from 0 to 10 % (0 à 5°)
- Hinges at the bottom of the slope for slope from > 10 to 40% (5 to 22°)

**Product Range : Dim. Com. mini : 1 x 1m - Dim. Com. maxi : 1,4 x 2,0m**

**Possible options (§3\*)**

- Contactors open/close
- Fall protection system : Griddle without impact on aerualic coefficient.
- Daily ventilation by half opening of one flap

**System or systems of assessment and verification of constancy of the construction product (§6 7 \*)**

The certificate of constancy of performance issued by the notified product certified body TÜV N° 0336 in accordance to the Annex ZA of the norm EN 12 101-2 2003 following system 1 on the basis of initial inspection of the manufacturing plant and of factory production control and continuous surveillance, assessment and evaluation of factory production control, Certificate N°0336-CPR-24091656-009

**Declared performances (§9\*)**

		Reference EN 12 101-2		<i>In case of questions, test report references, dates of issuance and names of laboratories can be given by the notifying body to the surveillance authority.</i>	
Aerodynamic free are Aa		Please seen below table			§ 6, annex B
Automatic opening temperature		≥ 68°C			§ 4.1
Opening Type		Type B			§ 4.3
Reliability		Re 1 000 (10 000 for ventilation, half opening)			§ 7.1, annex C
Opening under load		SL 250 - SL 550 - SL 750 - SL 1000 (Please seen below table)			§ 7.2, annex D
Low ambient temperature		T (-15)			§ 7.3, annex E
Stability under wind load		WL 1500			§ 7.4, annex F
Resistance to heat		B 300			§ 7.5, annex G
Fire reaction		PCA 16 to 20mm (B-s2,d0) - PCA 32mm (B-s2,d0) - PCA 16 to 32mm Pearl Inside (B-s2,d0) - BSL (B-s2,d0) - Sunlite Control (B-S2,d0) - PMMA Dome/Pyramid (E,d2) - PC Dome/Pyramid (B-s2,d0) - Standard aluminium cover (A1)			§ 7.5.2.1

Commercial dimensions			STD	MAX	SUNLITE CONTROL										
					Intensité (A) et Voltage (V) en fonction de la surcharge neige										
Dim. Com.	Dim. Lum.	Av (SGO)	Aa (SUE)	Aa (SUE)	Windshields Height	SL 250	SL 550	SL 750	SL 1000	Voltage	SL 250	SL 550	SL 750	SL 1000	Voltage V
cm	cm	m <sup>2</sup>	m <sup>2</sup>	m <sup>2</sup>	mm	A	A	A	A	V	A	A	A	A	V
100/100	100/100	1,00	0,48	0,65	150	4,50	4,50	4,50		24	2,50	2,50	2,50		48
140/140	140/140	1,96	0,82	1,25	200	4,50	4,50			24	2,50	2,50			48

Values of catalogue products - For other dimensions, please consult us  
 Dim. Lum. : Light dimensions (Top opening of the upstand)  
 Dim. Com. : Commercial dimensions (Bottom opening of the upstand)

□ : configuration not available  
 X : configuration available  
 (1) Cartridge for the thermofuse

The performance of the product identified in points §1 et §2 is in conformity with the declared performance in point §9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point §4.

Signed for and on behalf of the manufacturer by Philippe FRITZINGER, President of BLUETEK

The 02/07/2018 in Luynes



\* Chapter § numbers according to annexe 3 of CPR UE N°305/2011



**DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS**

According to Construction Products Council Directive UE N°305/2011

**Product range designation (§2\*)**

**BLUESTEEL RPT ELEC**

**Products alternatives concerned :**

**BLUESTEEL RPT ELEC STD/MAX (CURVED)**

**Intended use (§3\*) :**

Facade  Roof

§1\* : The full identification of the product is based on :  
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- its full designation : product range designation + alternative + infill + dimensions

DOP\_EN12101-2\_BLUESTEEL RPT ELEC

N°:10.07

**Name, registered trade name or trade mark and contact address of manufacturer (§4\*)**

Name : BLUETEK (Siège social : ZI Nord les Pins - 37230 Luynes)

Production units locations : HEXADOME : H001-ZI Nord les Pins - 37230 Luynes/H002-Rue Marc Seguin - 63600 Ambert // SIH : S001-Le Haras - 57430 Sarralbe // SODILIGHT : S002-Route de Saulon - 21220 Gevrey-Chambertin

**Product description (§3\*)**

- Single opening flap, electric mechanism, opening angle 140°.
- Steel upstand Height mini 350 mm
- With EPDM gaskets, silicone and aluminium thermally broken profile
  - STD : Without windshiled
  - MAX : With windshields

**Intended use of the construction product, in accordance with the applicable harmonised technical specification (§3\*)**

Maximum authorized inclination of the device :

- No laying direction for slope from 0 to 10 % (0 à 5°)
- Hinges at the bottom of the slope for slope from > 10 to 40% (5 to 22°)

**Product Range : Dim. Com. mini : 1,1 x 1,1m - Dim. Com. maxi : 1,5 x 2,1m**

**Possible options (§3\*)**

- Contactors open/close
- Fall protection system : Griddle without impact on aerualic coefficient.
- Daily ventilation by half opening of one flap

**System or systems of assessment and verification of constancy of the construction product (§6 7 \*)**

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**Declared performances (§9\*)**

		Reference EN 12 101-2	
Aerodynamic free are Aa	Please seen below table	§ 6, annex B	
Automatic opening temperature	≥ 68°C	§ 4.1	
Opening Type	Type B	§ 4.3	
Reliability	Re 1 000 (10 000 for ventilation, half opening)	§ 7.1, annex C	
Opening under load	SL 250 - SL 550 - SL 750 - SL 1000 (Please seen below table)	§ 7.2, annex D	
Low ambient temperature	T (-15)	§ 7.3, annex E	
Stability under wind load	WL 1500	§ 7.4, annex F	
Resistance to heat	B 300	§ 7.5, annex G	
Fire reaction	PCA 16 to 20mm (B-s2,d0) - PCA 32mm (B-s2,d0) - PCA 16 to 32mm Pearl Inside (B-s2,d0) - BSL (B-s2,d0) - Sunlite Control (B-S2,d0) - PMMA Dome/Pyramid (E,d2) - PC Dome/Pyramid (B-s2,d0) - Standard aluminium cover (A1)	§ 7.5.2.1	

*In case of questions, test report references, dates of issuance and names of laboratories can be given by the notifying body to the surveillance authority.*

Commercial dimensions			STD	MAX	SUNLITE CONTROL										
					Intensité (A) et Voltage (V) en fonction de la surcharge neige										
Dim. Com.	Dim. Lum.	Av (SGO)	Aa (SUE)	Aa (SUE)	Windshields Height	SL 250	SL 550	SL 750	SL 1000	Voltage	SL 250	SL 550	SL 750	SL 1000	Voltage V
cm	cm	m <sup>2</sup>	m <sup>2</sup>	m <sup>2</sup>	mm	A	A	A	A	V	A	A	A	A	V
110/110	100/100	1,21	0,61	0,83	150	4,50	4,50	4,50		24	2,50	2,50	2,50		48
150/150	140/140	2,25	0,99	1,58	260	4,50	4,50			24	2,50	2,50			48

Values of catalogue products - For other dimensions, please consult us  
 Dim. Lum. : Light dimensions (Top opening of the upstand) : configuration not available  
 Dim. Com. : Commercial dimensions (Bottom opening of the upstand) X : configuration available (1)Cartridge for the thermofuse

The performance of the product identified in points §1 et §2 is in conformity with the declared performance in point §9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point §4.

Signed for and on behalf of the manufacturer by Philippe FRITZINGER, President of BLUETEK

The 02/07/2018 in Luynes



\* Chapter § numbers according to annexe 3 of CPR UE N°305/2011