

## Certificate of constancy of performance

0336 – CPR – 24091656 - 012

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 (THERM) / BLUECOIF (THERM) / BLUEBAC (THERM)**

**Energ(y)(ies) :**  
**PNEU / TREUIL / 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)

**HEXADOME : ZI Nord les Pins – 37230 Luynes / Rue Marc Sequin – 63600 Ambert**

**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 15<sup>th</sup> November 2006 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the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, 8<sup>th</sup> November 2016



C.C.M. van Houten, Operational Manager

**Certificate of constancy of performance**  
0336 – CPR – 24091656 - 012

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

Commercial name :  
**BLUESTEEL (THERM) / BLUECOIF (THERM) / BLUEBAC (THERM)**

**Energ(y)(ies) :**  
**PNEU / TREUIL / ELEC**

Energy	Field of Application			
	PNEUMATIC	MECHANICAL	MECHANICAL	ELECTRIC
Identification of product(s) certified (reference)	Bluesteel (Therm) PNEU Bluecoif (Therm) PNEU Bluebac (Therm) PNEU	Bluesteel (Therm) TREUIL Bluecoif (Therm) TREUIL Bluebac (Therm) TREUIL	Bluesteel (Therm) MECA EXP Bluecoif (Therm) MECA EXP Bluebac (Therm) MECA EXP	Bluesteel (Therm) ELEC Bluecoif (Therm) ELEC Bluebac (Therm) ELEC
La min (mm)	800	900	900	1000
La max (mm)	2000	1700	1700	1400
Lo min (mm)	700	800	800	1000
Lo max (mm)	2500	2300	2300	2500
Opening angle (°)	165°	140°	140°	165°
Opening type	Type B	Type B	Type A	Type B
<b>Declared Values</b>				
Filling (reaction to fire)	PCA 10 to 20mm (B-s1,d0) PCA 16 to 20mm Pearl Inside (B-s1,d0) BSL (B-s2,d0) Dôme/Pyramide PC (B-s2,d0) Capot Alu Isolé (A1)		PCA 32mm (B-s2,d0) PCA 32 Pearl Inside (B-s2,d0) Dôme/Pyramide PMMA (E,d2) Dôme PRV (E)	
Aerodynamic free area	See aerodynamics report: 124/2004, 125/2004, 126/2004, 1368-CPD-T-073/2012-B, 1368-CPD-T-074/2012-B	See aerodynamics report: 1368-CPD-T-075/2012-B, 1368-CPD-T-076/2012-B, 1368-CPD-T-079/2012-B, 1368-CPD-T-252/2007-B 406/2005, 407/2005, 408/2005 CAPE AT 16-111/B	See aerodynamics report: 1368-CPD-T-075/2012-B, 1368-CPD-T-076/2012-B, 1368-CPD-T-079/2012-B, 1368-CPD-T-252/2007-B 406/2005, 407/2005, 408/2005 CAPE AT 16-111/B	See aerodynamics report: 124/2004, 125/2004, 126/2004, 1368-CPD-T-073/2012-B, 1368-CPD-T-074/2012-B
<b>For Pneumatic and Electric energy :</b> CAPE AT-05-022 Interprétation HEXADOME G4 V1      2007_01_16_note de synthèse du CSTB 2012_08_21_rapport cstb      2012_09_14_synthèse du cstb Synt-CSTB-G4-100x230-0804				
Reliability	Re 300 (all infill) Re 1000 (and filling by size)	Re 300	Re 300	Re 1 000
Dual function for ventilation	<b>PNEUMATIC :</b> Re 10 000 partial opening (stroke cylinder aeration of 300 or 500mm, electrical or pneumatical) (all infill) Re 10 000 total opening (and filling by size) <b>MECHANICAL :</b> Re 10.000 partial opening <b>ELECTRIC :</b> Re 10.000 partial opening			
Opening under load	SL 250 - SL 500 – SL 550	SL 50 - SL 250 - SL 500	SL 50 - SL 250 - SL 500	SL250–SL500-SL750-SL1000
Low ambient temperature	T(-15)	T(00)	T(00)	T(-15)
Wind load	WL 1500 WL 3000 (S ≤ 2,53m²)	WL1500 WL 3000 (S ≤ 2m²)	WL1500 WL 3000 (S ≤ 2m²)	WL 1500
Resistance to wind induced vibration satisfactory with deflectors made of galvanized sheet				
Resistance to heat	B 300	B 300	B 300	B 300

- end of certificate -

Certificate 24091656-012  
8<sup>th</sup> November 2016  
Page 2 of 2



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

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

Product range designation (§2\*)

**BLUEBAC PNEU**

Products alternatives concerned :

- BLUEBAC PNEU STD/MAX (DR)
- BLUEBAC PNEU STD/MAX (B1)
- BLUEBAC PNEU STD/MAX (B2)

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\_BLUEBAC PNEU

N°:15,07

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, with one pneumatic cylinder, opening angle 165°
- Polyester upstand, Straight throat, oblique or euro Height mini 300 mm
  - STD : Without windshields
  - MAX : With windshields

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

Maximum authorized inclination of the device :

- Hinges at the up part of the slope, parrallel to the ridge : 3° (5%)
- Hinges at the bottom part of the slope, parrallel to the ridge : 25° (46%)
- Hinges perpendicular to the ridge : 25° (46%)

Limit inclination 15° or 26% in case of pneumatic and electric cylinder

Product Range : Dim. Com. mini : 0,8x0,8m, Dim. Com. max : 1,8x1,8m or 1,8x2,2m

**Possible options : (§3\*)**

- Contactors open/close
- Fall protection system : Griddle without impact on aeraulic coefficient.
- Pneumatic daily ventilation 6 bar (complete opening or half opening) or electric (half opening)

**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-RPC-24091656-012

**Declared performances (§9\*)**

Aerodynamic free are Aa		≥ 68°C	Reference EN 12 101-2
Automatic opening temperature	≥ 68°C	≥ 68°C	§ 6, annex B
Opening Type	Type B		§ 4.1 § 4.3
Reliability	Re 300 Re 1 000 (according infill and dimensions) Re 10 000 (for ventilation half opening or ventilation complete opening (according infill and dimensions))		§ 7.1, annex C
Opening under load	SL 250 - SL 500 - SL 550 (Please seen below table)		§ 7.2, annex D
Low ambient temperature	T(-15)		§ 7.3, annex E
Stability under wind load	WL 1500 ou WL 3000 Pour S (trémie haute) ≤ 2,53 m²		§ 7.4, annex F
Resistance to heat	B 300		§ 7.5, annex G
Fire reaction	PCA 10 to 20mm (B-s2,d0) - PCA 32mm (B-s2,d0) - PCA 16 to 20mm Pearl Inside (B-s2,d0) - PCA 32mm Pearl Inside (B-s2,d0) - BSL (B-s2,d0) - PMMA Dome/Pyramid (E,d2) - PC Dome/Pyramid (B-s2,d0) - PRV Dome (E) - 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	PCA 10/16												
Dim. Com.	Dim. Lum.	Av (SGO)	Aa (SUE)	Aa (SUE)	Windshields Height	Pneumatic cylinder				CO2 weight (1)							
						V. total	SL 250	V. total	SL 500	V. total	SL 550	SL 250	SL 500	SL 550	g	g	g
cm	cm	m²	m²	m²	mm	l	P bar	l	P bar	l	P bar	g	g	g			
80/80	80/80	0,64	0,35	0,39	150	0,73	15	0,73	20	0,73	20	25	40	40			
110/110	100/100	1,21	0,75	0,90	150	0,83	15	0,83	25	1,63	20	40	80	80			
120/120	100/100	1,44	0,72	0,88	150	0,83	15	0,83	25	1,63	20	40	80	80			
120/120	100/100	1,44	0,88	0,94	200	0,83	15	0,83	25	1,63	20	40	80	80			
120/120	110/110	1,44	0,89	1,07	150	0,83	20	1,63	20	1,63	20	40	80	80			
130/130	120/120	1,69	1,03	1,27	200	0,83	25	1,63	20	1,63	25	80	80	80			
140/140	120/120	1,96	0,98	1,20	150	0,83	25	1,63	20	1,63	25	80	80	80			
140/140	140/140	1,96	1,08	1,23	200	2,32	15	2,32	25	2,32	25	80	150	150			
150/150	130/130	2,25	1,35	1,51	200	1,63	15	1,63	25	2,10	25	80	150	150			
150/150	140/140	2,25	1,37	1,69	200	2,32	15	2,32	25	2,32	25	80	150	150			
160/160	140/140	2,56	1,28	1,56	350	2,32	15	2,32	25	2,32	25	80	150	150			
170/170	150/150	2,89	1,42	1,76	350	2,32	15	2,32	25	2,93	25	80	150	150			
180/180	160/160	3,24	1,56	1,98	350	2,32	20	2,93	25	2,93	25	150	150	150			
180/180	160/160	3,24	1,88	2,27	275	2,32	20	2,93	25	2,93	25	150	150	150			
180/180	170/170	3,24	1,88	2,46	275	2,32	20					150					
100/200	100/200	2,00	1,00	1,26	200	0,83	25	1,63	25	1,63	25	80	150	150			
100/220	100/220	2,20	1,10	1,39	200	1,63	15	1,63	25	2,10	25	80	150	150			
110/150	100/140	1,65	1,01	1,24	200	0,83	20	1,63	20	1,63	20	40	80	80			
110/160	100/150	1,76	1,07	1,32	200	0,83	20	1,63	20	1,63	20	40	80	80			
110/210	100/200	2,31	1,39	1,73	200	0,83	25	1,63	25	1,63	25	80	150	150			
110/230	100/220	2,53	1,52	1,90	200	1,63	15	1,63	25	2,10	25	80	150	150			
110/250	90/230	2,75	1,54	1,87	200	1,43	20	1,83	25	1,83	25	80	150	150			
113/243	100/230	2,75	1,13	2,00	230*	1,63	15	1,63	25	2,10	25	80	150	150			
113/243	100/230	2,75	1,13	1,81	350	1,63	15	1,63	25	2,10	25	80	150	150			
120/150	100/130	1,80	1,08	1,19	200	0,83	20	1,63	20	1,63	20	40	80	80			
120/170	100/150	2,04	1,02	1,25	350	0,83	20	1,63	20	1,63	20	40	80	80			
120/220	100/200	2,64	1,32	1,61	350	0,83	25	1,63	25	1,63	25	80	150	150			
120/220	100/200	2,64	1,53	1,77	200	0,83	25	1,63	25	1,63	25	80	150	150			
120/240	100/220	2,88	1,61	1,96	200	1,63	15	1,63	25	2,10	25	80	150	150			
120/240	110/230	2,88	1,73	2,16	200	1,63	20	2,10	25	2,10	25	80	150	150			
130/160	120/150	2,08	1,27	1,56	200	1,63	15	1,63	25	2,10	25	80	150	150			
130/180	120/170	2,34	1,43	1,76	200	1,63	20	2,10	25	2,10	25	80	150	150			
140/190	120/170	2,66	1,33	1,62	350	1,63	20	2,10	25	2,10	25	80	150	150			
150/180	130/160	2,70	1,62	1,81	200	1,63	20	2,10	25	2,10	25	80	150	150			
150/180	150/180	2,70	1,40	1,73	275	2,32	20	2,93	25	2,93	25	150	150	150			
160/180	140/160	2,88	1,44	1,76	350	2,32	15	2,32	25	2,32	25	80	150	150			
160/220	140/200	3,52	1,62	2,15	350	2,32	20	2,93	25	2,93	25	150	150	150			
180/220	160/200	3,96	1,74	2,42	350	2,32	25					150					

Values of catalogue products - For other dimensions, please consult us  
 Dim. Lum. : Light dimensions (Top opening of the upstand) X : configuration available  
 Dim. Com. : Commercial dimensions (Bottom opening of the upstand) (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 27/06/2017 in Luynes



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





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, with pneumatic cylinder, opening angle 165°
- Polyester upstand, Straight upstand Height mini 185 mm
  - STD : Without windshields
  - MAX : With windshields

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

Maximum authorized inclination of the device :

- Hinges at the up part of the slope, parrallel to the ridge : 3° (5%)
- Hinges at the bottom part of the slope, parrallel to the ridge : 25° (46%)
- Hinges perpendicular to the ridge : 25° (46%)

Limit inclination 15° or 26% in case of pneumatic and electric cylinder

Product Range : Dim. Com. mini : 1,0x1,0m, Dim. Com. max : 1,4x1,4m or 1,0x1,5m

**Possible options : (§3\*)**

- Contactors open/close
- Fall protection system : Griddle without impact on aeraulic coefficient.
- Pneumatic daily ventilation 6 bar (complete opening or half opening) or electric (half opening)

**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-RPC-24091656-012

**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 300 Re 1 000 (according infill and dimensions) Re 10 000 (for ventilation half opening or ventilation complete opening (according infill and dimensions))	§ 7.1, annex C	
Opening under load	SL 250 - SL 500 - SL 550 (Please seen below table)	§ 7.2, annex D	
Low ambient temperature	T(-15)	§ 7.3, annex E	
Stability under wind load	WL 1500 ou WL 3000 Pour S (trémie haute) ≤ 2,53 m²	§ 7.4, annex F	
Resistance to heat	B 300	§ 7.5, annex G	
Fire reaction	PCA 10 to 20mm (B-s2,d0) - PCA 32mm (B-s2,d0) - PCA 16 to 20mm Pearl Inside (B-s2,d0) - PCA 32mm Pearl Inside (B-s2, d0) - BSL (B-s2,d0) - PMMA Dome/Pyramid (E,d2) - PC Dome/Pyramid (B-s2,d0) - PRV Dome (E) - 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	PCA 10/16										
					Pneumatic cylinder				CO2 weight (1)						
Dim. Com.	Dim. Lum.	Av (SGO)	Aa (SUE)		V. total	SL 250	V. total	SL 500	V. total	SL 550	SL 250	SL 500	SL 550		
cm	cm	m²	m²		l	P bar	l	P bar	l	P bar	g	g	g		
100/100	100/100	1,00	0,42		0,83	15	0,83	25	1,63	20	40	80	80		
120/120	120/120	1,44	0,60		0,83	25	1,63	20	1,63	25	80	80	80		
140/140	140/140	1,96	0,80		2,32	15	2,32	25	2,32	25	80	150	150		
100/150	100/150	1,50	0,63		0,83	20	1,63	20	1,63	20	40	80	80		

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 27/06/2017 in Luynes

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

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, with pneumatic cylinder, opening angle 165°
- Polyester upstand, Straight upstand Height mini 185 mm
  - STD : Without windshields
  - MAX : With windshields

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

Maximum authorized inclination of the device :

- Hinges at the up part of the slope, parrallel to the ridge : 3° (5%)
- Hinges at the bottom part of the slope, parrallel to the ridge : 25° (46%)
- Hinges perpendicular to the ridge : 25° (46%)

Limit inclination 15° or 26% in case of pneumatic and electric cylinder

Product Range : Dim. Com. mini : 1,0x1,0m, Dim. Com. max : 1,4x1,4m or 1,0x1,5m

**Possible options : (§3\*)**

- Contactors open/close
- Fall protection system : Griddle without impact on aeraulic coefficient.
- Pneumatic daily ventilation 6 bar (complete opening or half opening) or electric (half opening)

**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-RPC-24091656-012

**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 300 Re 1 000 (according infill and dimensions) Re 10 000 (for ventilation half opening or ventilation complete opening (according infill and dimensions))	§ 7.1, annex C	
Opening under load	SL 250 - SL 500 - SL 550 (Please seen below table)	§ 7.2, annex D	
Low ambient temperature	T(-15)	§ 7.3, annex E	
Stability under wind load	WL 1500 ou WL 3000 Pour S (trémie haute) ≤ 2,53 m²	§ 7.4, annex F	
Resistance to heat	B 300	§ 7.5, annex G	
Fire reaction	PCA 10 to 20mm (B-s2,d0) - PCA 32mm (B-s2,d0) - PCA 16 to 20mm Pearl Inside (B-s2,d0) - PCA 32mm Pearl Inside (B-s2, d0) - BSL (B-s2,d0) - PMMA Dome/Pyramid (E,d2) - PC Dome/Pyramid (B-s2,d0) - PRV Dome (E) - 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	CAPOT ALU STANDARD									DOME/PYRAMIDE DOUBLE PEROIS											
					Pneumatic cylinder						CO2 weight (1)														
Dim. Com.	Dim. Lum.	Av (SGO)	Aa (SUE)		V. total	SL 250	V. total	SL 500	V. total	SL 550	SL 250	SL 500	SL 550												
cm	cm	m²	m²		l	P bar	l	P bar	l	P bar	g	g	g												
100/100	100/100	1,00	0,42		0,83	20	1,63	15	1,63	20	40	80	80		0,83	20	1,63	15	1,63	20	40	80	80		
120/120	120/120	1,44	0,60		1,63	15	1,63	25	1,63	25	80	150	150		1,63	15	1,63	25	1,63	25	80	150	150		
140/140	140/140	1,96	0,80		2,32	15	2,32	25	2,32	25	80	150	150		2,32	15	2,32	25	2,32	25	80	150	150		
100/150	100/150	1,50	0,63		0,83	25	1,63	20	1,63	25	80	80	150		0,83	25	1,63	20	1,63	25	80	80	150		

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 27/06/2017 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\*)**

**BLUEBAC PNEU**

**Products alternatives concerned :**

**BLUEBAC PNEU 185 STD (DR)**

**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\_BLUEBAC PNEU

N°:15,20

**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, with pneumatic cylinder, opening angle 165°
- Polyester upstand, Straight upstand Height mini 185 mm
  - STD : Without windshields
  - MAX : With windshields

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

Maximum authorized inclination of the device :

- Hinges at the up part of the slope, parrallel to the ridge : 3° (5%)
  - Hinges at the bottom part of the slope, parrallel to the ridge : 25° (46%)
  - Hinges perpendicular to the ridge : 25° (46%)
- Limit inclination 15° or 26% in case of pneumatic and electric cylinder

**Product Range : Dim. Com. mini : 1,0x1,0m, Dim. Com. max : 1,4x1,4m or 1,0x1,5m**

**Possible options : (§3\*)**

- Contactors open/close
- Fall protection system : Griddle without impact on aeraulic coefficient.
- Pneumatic daily ventilation 6 bar (complete opening or half opening) or electric (half opening)

**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-RPC-24091656-012

**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 300 Re 1 000 (according infill and dimensions) Re 10 000 (for ventilation half opening or ventilation complete opening (according infill and dimensions))	§ 7.1, annex C	
Opening under load	SL 250 - SL 500 - SL 550 (Please seen below table)	§ 7.2, annex D	
Low ambient temperature	T(-15)	§ 7.3, annex E	
Stability under wind load	WL 1500 ou WL 3000 Pour S (trémie haute) ≤ 2,53 m²	§ 7.4, annex F	
Resistance to heat	B 300	§ 7.5, annex G	
Fire reaction	PCA 10 to 20mm (B-s2,d0) - PCA 32mm (B-s2,d0) - PCA 16 to 20mm Pearl Inside (B-s2,d0) - PCA 32mm Pearl Inside (B-s2, d0) - BSL (B-s2,d0) - PMMA Dome/Pyramid (E,d2) - PC Dome/Pyramid (B-s2,d0) - PRV Dome (E) - 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	DOME/PYRAMIDE SIMPLE PAROI																
					Pneumatic cylinder				CO2 weight (1)												
Dim. Com.	Dim. Lum.	Av (SGO)	Aa (SUE)		V. total	SL 250	V. total	SL 500	V. total	SL 550	SL 250	SL 500	SL 550								
cm	cm	m²	m²		l	P bar	l	P bar	l	P bar	g	g	g								
100/100	100/100	1,00	0,42		0,83	20	1,63	15	1,63	20	40	80	80								
120/120	120/120	1,44	0,60		1,63	15	1,63	25	1,63	25	80	150	150								
140/140	140/140	1,96	0,80		2,32	15	2,32	25	2,32	25	80	150	150								
100/150	100/150	1,50	0,63		0,83	25	1,63	20	1,63	25	80	80	150								

**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 27/06/2017 in Luynes



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