PRODUCTS
RvA C 078

Notified Body nr. 0336

Certificate of constancy of performance

0336 – CPR – 24091656 - 006

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 + ACCES / TREUIL + ACCES / ELEC + ACCES

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 15th 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the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, 25th April 2018

H. van Ginkel, Local Stream Manager

Certificate of constancy of performance
0336 – CPR – 24091656 - 006

Annex 1
Natural smoke and heat exhaust ventilator

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

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

Field of Application			
Energy	**PNEUMATIC**	**MECHANICAL**	**ELECTRIC**
Identification of product(s) certified (reference)	Bluesteel (Therm) -; Bluecoif (Therm) -; Bluebac (Therm) -; -PNEU + ACCES	Bluesteel (Therm) -; Bluecoif (Therm) -; Bluebac (Therm) -; -TREUIL + ACCES	Bluesteel (Therm) -; Bluecoif (Therm) -; Bluebac (Therm) -; -ELEC + ACCES
La min (mm)	1000	900	1000
La max (mm)	1200	1200	1200
Lo min (mm)	1000	900	1000
Lo max (mm)	1200	1200	1200
Opening angle (°)	140	140	120
Opening type	Type B	Type B	Type B
Declared Values			
Filling (reaction to fire)	PCA 10 to 20mm (B-s1,d0) Dôme/Pyramide PMMA (E,d2) Dôme/Pyramide PC (B-s2,d0) Capot Alu Isolé (A1)		PCA 32mm (B-s2,d0) BSL (B-s2,d0) Dôme PRV (E)
	PCA 16 mm Pearl Inside (B-s1,d0)	PCA 16 to 20mm Pearl Inside (B-s1,d0)	PCA 16 mm Pearl Inside (B-s1,d0)
Aerodynamic free area	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: 1368-CPD-T-198/2008-B CAPE-AT-10-088/B, CAPE-AT-10-088/B/CPLT
Reliability	Re 300	Re 300	Re 1000 (and filling by size)
Dual function for ventilation	Re 10.000 complete opening	Re 10.000 partial opening	Re 10.000 partial opening
Opening under load	SL 250 - SL 550	SL 250 - SL 500	SL 250 – SL 500
Low ambient temperature	T(-15)	T(0)	T(0)
Wind load	WL 1500	WL 1500 WL 3000 ($S \leq 1\ m^2$)	WL 1500
	Resistance to wind induced vibration satisfactory with deflectors made of galvanized sheet		
Resistance to heat	B300	B300	B300

- end of certificate -

bluetek
De nature à créer le bien-être

Product range designation (§2*)

BLUESTEEL THERM ELEC + ACCES
BLUECOIF THERM ELEC + ACCES

Products alternatives concerned :

BLUESTEEL THERM ELEC + ACCES STD (STRAIGHT)
BLUECOIF THERM ELEC + ACCES STD (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

DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

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

DOP_EN12101-2_BLUESTEEL THERM ELEC + ACCES *N°:8,01*

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 120°, installed on roof
• Steel upstand, Straight, Height mini 350 mm or covering upstand Height 110mm (Height of the combinaisonf formed by existing upstand and covering upstand must be 300 mm mini)
• STD : Without windshiled

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 : 1,0x1,0m; Dim. Com. max : 1,2x1,2m

Possible options (§3*)

• Contactors open/close
• Fall protection system : Griddle without impact on aeraulic coefficient.
• Cross for roof access
• Adapation for ladder
• 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-24091656-006

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 300 Re 10 000 (for ventilation half opening)	§ 7.1, annex C	
Opening under load	SL 250 - SL 500 (Please seen below table)	§ 7.2, annex D	
Low ambient temperature	T (0)	§ 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 10 to 20mm (B-s2,d0) - PCA 32mm (B-s2,d0) - PCA 16 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	

Commercial dimensions			STD	MAX		PCA 16/20										PCA 32 - BSL - CAPOT ALU STANDARD - PCA 16 PEARL INSIDE									
						Intensity (A) according to snow loads										Intensity (A) according to snow loads									
Dim. Lum.	Dim. Lum.	Av (SGO)	Aa (SUE)	Aa (SUE)	Windshields Height	SL 250	SL 500								Voltage (V)	SL 250	SL 500								Voltage (V)
cm	cm	m²	m²	m²	mm	A	A									A	A								
100/100	100/100	1,00	0,21			2,50	4,00								24	2,50	4,00								24
120/120	120/120	1,44	0,30			2,50									24	4,00									24

Values of catalogue products - *For other dimensions, please consult us* : configuration not available (1)Cartridge for the thermofuse
Dim. Lum. : Light dimensions (Top opening of the upstand) X : configuration available
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 responsability of the manufacturer identified in point §4.

Signed for and on behalf of the manufacturer by Philippe FRITZINGER, President of BLUETEK
The 31/05/2019 in Luynes

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