

Certificate of constancy of performance

0336 – CPR – 24091656 - 004

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)

EXUPLUS

Energ(y)(ies) :

PNEU / 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

SODILIGHT : Route de Saulon – 21220 Gevrey-Chambertin

HEXADOME : Rue Marc Seguin - 63600 Ambert

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 22nd October 2009 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the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, 3rd March 2017



C.C.M. van Houten, Operational Manager

Certificate of constancy of performance
0336 – CPR – 24091656 - 004

Annex 1
Natural smoke and heat exhaust ventilator

Commercial name :
EXUPLUS

Energ(y)(ies) :
PNEU / ELEC

Field of Application		
Energy	PNEUMATIC	ELECTRIC
Identification of product(s) certified (reference)	Exuplus PNEU	Exuplus ELEC
La min (mm)	1460	1460
La max (mm)	3000	3000
Lo min (mm)	1000	1000
Lo max (mm)	3120	3120
Opening angle (°)	90	90
Opening type	Type B	Type B
Declared Values		
Filling (reaction to fire)	PCA 10 to 20mm (B-s1, d0) PCA 16 to 20mm Pearl inside (B-s1, d0) PCA 32mm (B-s2, d0)	PCA 10 to 20mm (B-s1, d0) PCA 16 to 20mm Pearl inside (B-s1, d0) PCA 32mm (B-s2, d0)
Aerodynamic free area	See aerodynamics report: 1368-CPD-T-038 / 2009-B 1368-CPD-T-198/2011-B, 1368-CPD-T-059/2016-B	See aerodynamics report: 1368-CPD-T-038 / 2009-B 1368-CPD-T-198/2011-B, 1368-CPD-T-059/2016-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 (if LA ≤ 2000)	Re 10.000 - partial opening - total opening (if LA ≤ 2000)
Opening under load	SL 250 SL 500 SL 550 SL 750 SL 1000	SL 250 SL 500 SL 550 SL 750 SL 1000
Low ambient temperature	T(-15)	T(-15) T(-25)
Wind load	WL 1500	WL 1500
	Resistance to wind induced vibration satisfactory with deflectors made of galvanized sheet	
Resistance to heat	B300	B300

- end of certificate -

Certificate 24091656-004
3rd March 2017
Page 2 of 2





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

According to Construction Products Council Directive 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*)

- Double opening flap, electric mechanism, opening angle 90°, installed in a vault on a roof
- STD : Without windshields
- MAX : With windshields

Product Range : Dim. Com. mini : 1,46x2,06, Dim. Com. max : 2,00x3,12m

Possible options (§3*)

- Fall protection system : Griddle without impact on aeraulic coefficient.

Declared performances (§9*)

Aerodynamic free are Aa	Please seen below table	Reference EN 12 101-2	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	§ 6. annex B	
Opening Type	Type B	§ 4.1	
Reliability	Re 1 000 Re10 000 for ventilation half opening Re10 000 for ventilation complete opening (LA≤2m)	§ 4.3	
Opening under load	SL250, SL500, SL550, SL750, SL1000 (Please seen below table)	§ 7.1, annex C	
Low ambient temperature	T(-15)	§ 7.2, annex D	
Stability under wind load	WL 1500	§ 7.3, annex E	
Resistance to heat	B 300	§ 7.4, annex F	
Fire reaction	PCA 10 to 20mm (B-s2,d0) - PCA 16 to 20mm Pearl Inside (B-s2,d0) - PCA 32 mm (B-s2,d0)	§ 7.5, annex G	

Commercial dimensions - Size of the opening in the vault			STD	MAX		PCA 10/16/20										PCA 32 - PCA 16/20 PEARL INSIDE										
						Intensity (A) according to snow loads										Intensity (A) according to snow loads										
		Av (SGO)	Aa (SUE)	Aa (SUE)		SL 250	SL 500	SL 550	SL 750	SL 1000					Voltage (V)	SL 250	SL 500	SL 550	SL 750	SL 1000						Voltage (V)
cm		m²	m²	m²		A	A	A	A	A						A	A	A	A	A						
146/206		3,01	0,96	1,96		2,60	4,00	4,00	4,00	4,00					24	2,60	4,00	4,00	4,00	4,00						24
200/206		4,12	1,32	2,72		5,20	8,00	8,00	8,00						24	5,20	8,00	8,00	8,00							24
200/312		6,24	2,00	4,18		5,20	8,00	8,00							24	5,20	8,00									24

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 10/07/2017 in Luynes

PH

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

www.bluetek.fr

Product range designation (§2*)

EXUPLUS ELEC

Products alternatives concerned :

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_EXUPLUS ELEC

N°21,01

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

Maximum authorized inclination of the device :

Devices installed on BLUEVOUTE according to instructions of use

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-24091656-004