According to Construction Products Regulation (UE) N° 305/2011

N : **DoP LUX TE(sp)P-TE(sp)V_indC**

DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

1. *Unique identification code of the product-type:*

CERTILUX TE(sp)P
CERTILUX TE(sp)V

2. *Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11 paragraph 4:*
Information given on the tracking label :

Order confirmation Number + Product Number + Date of production

3. *Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer :*

3.1 Product description :

Natural smoke and heat exhaust ventilator (NSHEV) for roof installation with polycarbonate or glass blades.

*3.2 **Installation and implementation** conditions in accordance with the certified performances*

- Roof installation from 0° to 60° with glass blades
- Roof installation from 5° to 60° with polycarbonate blades
- Dimensional range : **L** and **H** are the throat dimensions of the product

L = width in m and **H** = height in m

$0{,}873 \leq \mathbf{H} \leq 3{,}513$ and $0{,}5 \leq \mathbf{L} \leq 2$ With $1m^2 \leq \mathbf{A_v}^* \leq 6m^2$

*** : A_v = L x H**

- With <u>mandatory fixed windshields</u>, to ensure Cv coefficient declared in page 2
- Without or with 280 mm high steel upstand, with or without insulation, to ensure Cv coefficient declared in page 2

3.3 Mode of operation :

Fail safe opening and closing by power

<u>Power input</u>

- Voltage $U_a = U_c$ = 24 Vcc or 48 Vcc
- Wattage absorbed
  - 3 W maxi with 1 bold

<u>Power supply</u>

- Wattage Pa = Pc absorbed in a steady state
  - 30 W or 42 W maxi with 1 motor 24Vcc
  - 27 W or 70 W maxi with 1 motor 230 Vac

3.4 Possible options :

Open / Close position switches.
Thermal device release (according to the current standard).

4. *Name, registered trade name or trade mark , in conformity with article 11, paragraph 5:*

<u>Company name</u> SOUCHIER – BOULLET SAS
Parc Segro – 42 rue de Lamirault
CS 20762
77090 COLLEGIEN
France

<u>Production unit :</u> SOUCHIER-BOULLET SAS
11 rue du 47ème R.A.
70400 HERICOURT
France

6. *7. System or systems of assessment and verification of constancy of performance of the construction product in accordance to Annex V.*

The notified body **TÜV Rheinland N° 0336** performed the determination of the product type on the basis of type testing, type calculation of the product, the initial inspection of the manufacturing plant and the factory production control and the continuous surveillance, assessment and evaluation of the factory production control under system 1 and issued the certificate of constancy of performance N°

CE Certificate N°0336 – CPR – 6742-1-1

SOUCHIER BOULLET

CE

According to Construction Products Regulation (UE) N° 305/2011

N : **DoP LUX TE(sp)P-TE(sp)V_indC**

DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

9. *Declared performances :*

Harmonised technical specification: EN 12101-2:2003	Essential characteristics		Performance
	Nominal activation conditions / sensitivity, as:		
	Initiation device		present
	Opening mechanism		present
	Inputs and outputs		present
	Response delay (response time), as:		
	Reliability		≤ 60 s
	Opening under (snow, wind) load		
	Low ambient temperature		
	Fire Performance		
	Operational reliability, as:		
	Reliability		Re 1000, Type B
			Re 1000 (+10 000), Type B
	Effectiveness of smoke/hot gas extraction, as:		
	Aerodynamic free area	with upstand	$A_a = A_v$* x Cv**
		without upstand	$A_a = A_v$* x Cv**
	Performance parameters under fire conditions, as:		
	Resistance to heat		B_{300} 30
	Mechanical stability		$\Delta A_{trémie}$< 10 %
	Reaction to fire		
		Glass blades	A1
		Polycarbonate blades	B-s1;d0
	Performance under environnemental conditions, as:		
	Opening under load (see tables)		SL ** *
	Low ambient temperature		T(00)
	Stability under wind load		WL 1500
	Resistance to wind-induced vibration (where included)		ω_0: > 10Hz, δ: >0,1
	Resistance to heat		B_{300} 30
	Durability, as:		
	Response delay (response time)		≤ 60 s
	Operational reliability		Re 1000
			Re 1000 (+10 000)
	Performance parameters under fire conditions		≤ 60 s; $\Delta A_{trémie}$< 10 %

*****Determination of the snowload classification :**

CERTILUX TE(sp)P :

Type of motor	Performance	Av
1 motor	SL 500	1 to 1,5 m²
	SL 250	1,5 to 2,75 m²
	SL 0	2,75 to 6 m²
2 motors	SL 500	1 to 2,75 m²
	SL 250	2,75 to 5,25 m²
	SL 0	5,25 to 6 m²

CERTILUX TE(sp)V :

Type of motor	Performance	Av
1 motor	SL 250	1 m²
	SL 0	1 to 2 m²
2 motors	SL 500	1 to 2,25 m²
	SL 250	2,25 to 3,25 m²
	SL 0	3,25 to 6 m²

****Definition of flow coefficient**

		With upstand 280 mm		Without upstand	
		500 ≤ L < 1000	1000 ≤ L ≤ 2000	500 ≤ L < 1000	1000 ≤ L ≤ 2000
Windshields = 265 mm	H < 1000	0,55	0,55	0,50	0,50
	H ≥ 1000	0,55	0,67	0,50	0,62

10. *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: **David Maillart – R&D Manager**

The 18/04/2023
In Collégien