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

N : **DoP LUX TP(MRR)P-TP(MRR)V_indB**

DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

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

CERTILUX TP(MRR)P
CERTILUX TP(MRR)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 $1m^2 \leq \mathbf{A_v}^* \leq 7m^2$
  *** : A_v = L x H**

- With mandatory fixed windshields, to ensure Cv coefficient declared in page 2
- Without or with 280 or 350 mm high steel upstand, with or without insulation, to ensure Cv coefficient declared in page 2

3.3 Mode of operation :

Pneumatic opening and closing
Service pressure : 10 to 20 bars
Cylinder volume: 4,1 Nl under 10 bars.
(Possibility to use the NSHEV for daily ventilation under 6 to 8,5 bars pressure)

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:*

Company name : SOUCHIER – BOULLET SAS
Parc Segro – 42 rue de Lamirault
CS 20762
77090 COLLEGIEN
France

Production unit : 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

N : **DoP LUX TP(MRR)P-TP(MRR)V_indB**

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 Opening under (snow, wind) load Low ambient temperature Fire Performance		≤ 60 s
	Operational reliability, as:		
	Reliability		Re 1000, 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
	Performance parameters under fire conditions		≤ 60 s; $\Delta A_{trémie}$< 10 %

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

CERTILUX TPP :

Performance	Av
SL 500	1 to 3 m²
	3 to 4,69 m²
SL 250	4,69 to 7 m²

CERTILUX TPV :

Performance	Av
SL 500	1 to 3 m²
	3 to 3,2 m²
SL 250	3,2 to 4,67 m²
SL 0	4,6 to 7 m²

**** Definition of flow coefficient**

		With upstand 280 mm		With upstand 350 mm		Without upstand	
		500 ≤ L < 1000	1000 ≤ L ≤ 2000	500 ≤ L < 1000	1000 ≤ L ≤ 2000	500 ≤ L < 1000	1000 ≤ L ≤ 2000
***With Av* ≤ 6m² windshields=265 mm**	**H < 1000**	**0,55**	**0,55**			**0,50**	**0,50**
	H ≥ 1000	**0,55**	**0,67**			**0,50**	**0,62**
***With Av* > 6m² windshield =310 mm**	**H ≤ 3513**				**0,64**		**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