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

N : **DoP CERTILIGHT RIDGEPOLE OFP_indD**

DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

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

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 with double casement , for roof installing which opens outwards, with an external motorization. The infill can be in cellular polycarbonate, in glass or insulated double skin aluminium (thermally or acoustically).

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

- Roof installation 15° to 45° with both leafs installed face to face on two opposite slopes and with a distance between sleeping frame (distance X) = 60 to 300 mm.
- Dimensional range : (**A** and **B** are the overall dimensions of the product)
  Side **A** parallel to the hinges : 0,95m ≤ **A** ≤ 2,530m Side **B** perpendicular to the hinges : 0,7m ≤ **B** ≤ 1,6m
  *A_v=[side **A** – 0,181 m] x [(side **B** x 2 – 0,181 m) x cos (slope angle) + ridge] With 0,93 m² ≤ A_v* ≤ 6 m²
- With 280 mm high steel upstand, with or without insulation, to ensure Cv coefficient declared in page 2

3.3 ***Mode of operation :*** Pneumatic opening et closing
Service pressure : 10 to 20 bars (Possibility to use the NSHEV as daily ventilation unit with a pressure of 6 bars)

	700 ≤ B ≤ 900	***901 ≤ B ≤ 1200***	***1201 ≤ B ≤ 1400***	***1401 ≤ B ≤ 1600***
1 Cylinder Ø50	***c500***	***c800***	***c1000***	***c1200***
	10,5 Nl	*16,7 Nl*	*20,8 Nl*	*22,9 Nl*

3.4 ***Possible options :***
Open / Close position switches
Griddle, (distance 120 mm), diameter 5 mm without influence on the aerodynamic coefficient
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 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 as set out in 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 – RPC – 6742-2.

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 (+10 000) , Type B
	Effectiveness of smoke/hot gas extraction, as:	
	Aerodynamic free area	$A_a = A_v$* x C_v**
	Performance parameters under fire conditions, as:	
	Resistance to heat	B_{300} 30
	Mechanical stability	ΔA_{throat}< 10 %
	Reaction to fire	
	Insulated panel or glass	A1
	Polycarbonate	B-s1;d0
	Performance under environnemental conditions, as:	
	Opening under load	SL: See the tracking label
	Low ambient temperature	T(-15)
	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 (+10 000)
	Performance parameters under fire conditions	≤ 60 s; ΔA_{throat}< 10 %

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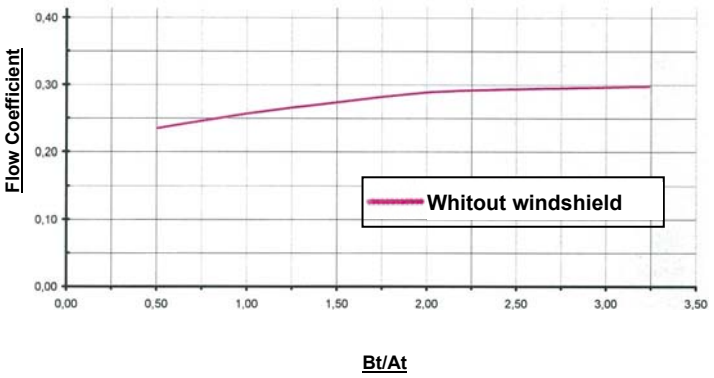
DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

Free Aerodynamic surface calculation :

$A_a = A_v$* x C_v**

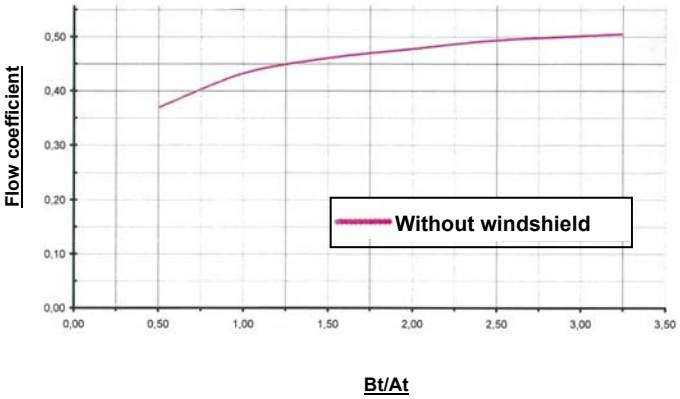
*A_v = At x Bt = [side **A** – 0,181 m] x [(side **B** x 2 – 0,181 m) x cos (slope angle) + ridge]

CERTILIGHT RIDGEPOLE WITHOUT UPSTAND



Bt/At

CERTILIGHT RIDGEPOLE WITH UPSTAND



Bt/At

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 17/04/2023
In Collégien