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

N : **DoP CERTILIGHT OFP_indF**

# DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

1. *Unique identification code of the product-type:* **CERTILIGHT 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 installation 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 with the casements implanted on the same slope:
  - from 5° to 60° with the infill in glass with glazing beads
  - from 0° to 60° with the infill in glass with structural glazing aspect and in insulated double skin aluminium
- Dimensional range: (**A** and **B** are the overall dimensions of the product)

Side **A** parallel to the hinges: 0,95m ≤ **A** ≤ 2,530m
*$A_v$ =[side **A** – 0,181 m] x [(side **B** x 2) – 0,181 m]

Side **B** perpendicular to the hinges : 0,7m ≤ **B** ≤ 1,6m
With 0,93 m² ≤ $A_v$* ≤ 6 m²

- With foldable or fixed windshields, to ensure Cv coefficient declared in point 9
- With 280 mm high steel upstand, with or without insulation, to ensure Cv coefficient declared in point 9

**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 trademark , 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 – CPR – 6742-2.**

# DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

*9. Declared performances:*

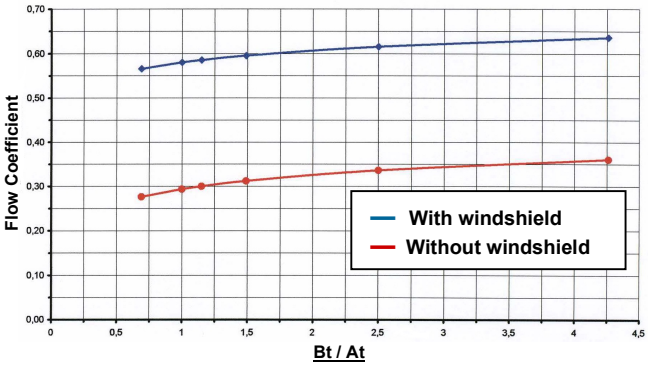
| | Essential characteristics | Performance |
|---|---|---|
| Harmonised technical specification: EN 12101-2003 | **Nominal activation conditions / sensitivity,as :** | |
| | Initiation device | Présent |
| | Opening mechanism | Présent |
| | Imputs and outpouts | Présent |
| | **Response delay (response time), as :** | |
| | Reliability<br>Opening under (snow, wind) load<br>Low ambient temperature<br>Fire Performance | ≤ 60 s |
| | **Operational reliability, as :** | |
| | Reliability | Re 1000 (+10 000), Type B |
| | **Effectiveness of smoke / hot gas extractions, 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 | $\Delta A_{throat} < 10$ % |
| | Reaction so fire : | |
| | Insulated panel or glass | A1 |
| | Polycarbonate | B-s1 ; d0 |
| | **Performance under environnemental conditions, as :** | |
| | Opening under load (see tables) | SL *** |
| | Low ambient temperature | T (-15) |
| | Stability under wind load | WL 1500 |
| | Resistance to wind induced vibration (where included) | $\omega_0$:>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, $\Delta A_{throat} < 10$ % |

**Free Aerodynamic surface calculation:**

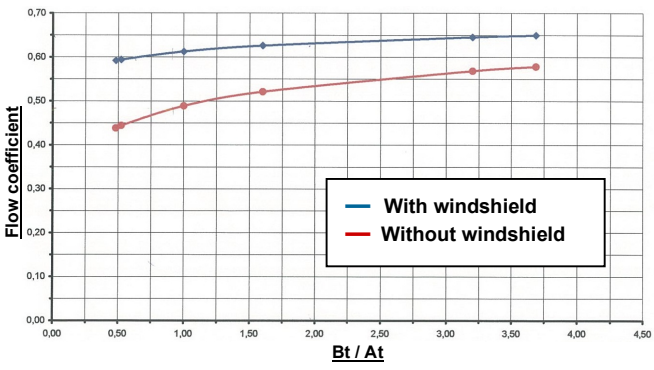
**$A_a = A_v$* x $C_v$** or NPD**

*$A_v$ = At x Bt = [side **A** – 0,181 m] x [(side **B** x 2) – 0,181 m]

**CERTILIGHT WITHOUT UPSTAND**




**CERTILIGHT WITH UPSTAND**




***Determination of the snowload classification :**

Side **A** parallel to the hinges : 0,95m ≤ **A** ≤ 2,530m

Side **B** parallel to the hinges : 0,7m ≤ **B** ≤ 1,6m

# DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

## SIDE A ≤ 1600 (1 cylinder per leaf)

| 700 ≤ Side B ≤ 900 | | 901 ≤ Side B ≤ 1200 | | 1201 ≤ Side B ≤ 1400 | | 1401 ≤ Side B ≤ 1600 | |
|---|---|---|---|---|---|---|---|
| $A_V$ | Performance | $A_V$ | Performance | $A_V$ | Performance | $A_V$ | Performance |
| 0,93 to 1,35 m² | SL 500 | 1,24 to 1,28 m² | SL 1000 | 1,70 to 2,66 m² | SL 500 | 2,01 to 3,17 m² | SL 500 |
| 1,35 to 2,29 m² | SL 250 | 1,28 to 2,23 m² | SL 500 | 2,66 to 3,71 m² | SL 250 | 3,17 to 4,28 m² | SL 250 |
| | | 2,23 to 3,14 m² | SL 250 | | | | |

## SIDE A > 1600 (2 cylinders per leaf)

| 700 ≤ Side B ≤ 900 | | 901 ≤ Side B ≤ 1200 | | 1201 ≤ Side B ≤ 1400 | | 1401 ≤ Side B ≤ 1600 | |
|---|---|---|---|---|---|---|---|
| $A_V$ | Performance | $A_V$ | Performance | $A_V$ | Performance | $A_V$ | Performance |
| 1,73 to 2,97 m² | SL 500 | 2,30 to 2,76 m² | SL 1000 | 3,15 to 3,24 m² | SL 1000 | 3,72 to 3,83 m² | SL 1000 |
| 2,97 to 3,26 m² | SL 250 | 2,76 to 4,48 m² | SL 500 | 3,24 to 5,28 m² | SL 500 | 3,83 to 6 m² | SL 500 |

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 24/04/2025
In Collégien