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

N : **DoP CERTILIGHT RIDGEPOLE OFE_indE**

# DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

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

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 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:*** Electric opening and closing
Voltage $U_a = U_c$ = 24 Vcc – Wattage $P_a = P_c$ absorbed in a steady state
  - 130 W maxi per leaf

***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 SAS
11 rue des Campanules
CS 30066
77436 MARNE LA VALLEE Cedex 2
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.**

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# DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

9. *Declared performances:*

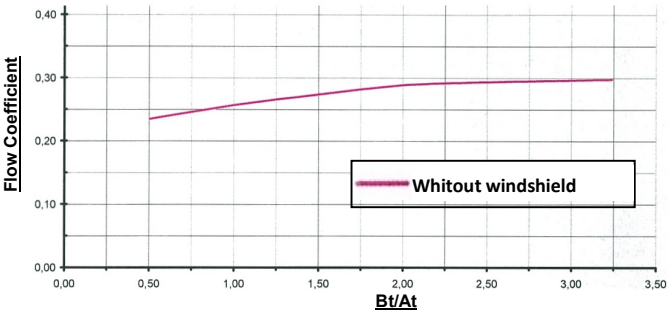
| | Essential characteristics | Performance |
|---|---|---|
| Harmonised technical specification : EN 12101-2003 | **Nominal activation conditions / sensitivity,as :** | |
| | Initiation device | Présent |
| | Opening mechanism | Présent |
| | Imputs and outpouts | Présent |
| | **Response delay (response 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 | Δ $A_{throat}$ < 10 % |
| | Reaction so 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) | $\omega_0$:>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, Δ $A_{throat}$ < 10 % |

**Free Aerodynamic surface calculation:**

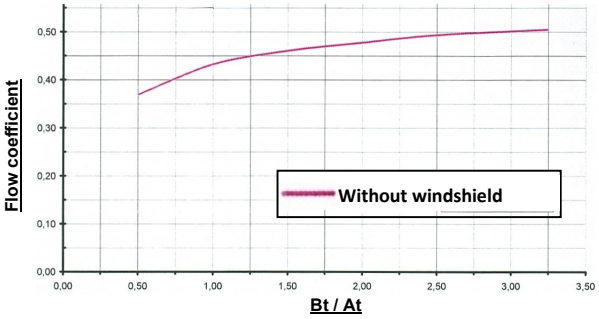
**$A_a = A_v$* x $C_v$** or NPD**

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

**CERTILIGHT RIDGEPOLE WITHOUT UPSTAND**




**CERTILIGHT RIDGEPOLE WITH UPSTAND**




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 22/04/2025
In Collégien