

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 leaves 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 : $0,95m \leq A \leq 2,530m$ Side B perpendicular to the hinges : $0,7m \leq B \leq 1,6m$
 $*A_v = [side\ A - 0,181\ m] \times [(side\ B \times 2 - 0,181\ m) \times \cos(\text{slope angle}) + \text{ridge}]$ With $0,93\ m^2 \leq A_v^* \leq 6\ m^2$
- 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 $U_a = U_c = 24\ V_{cc}$ – Wattage $P_a = P_c$ absorbed in a steady state
 o 120 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 trade mark , 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 47^{ème} R.A.
 70400 HERICOURT
 France

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.

9. *Declared performances:*

	Essential characteristics	Performance
Harmonised technical specification: EN 12101-2:2003	Nominal activation conditions / sensitivity, as: Initiation device Opening mechanism Inputs and outputs	present present 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 (+10 000), Type B
	Effectiveness of smoke/hot gas extraction, as: Aerodynamic free area	$A_v = A_v^* \times C_v^{**}$
	Performance parameters under fire conditions, as: Resistance to heat Mechanical stability Reaction to fire	B300 30 $\Delta A_{throtat} < 10\ %$
	Insulated panel or glass Polycarbonate	A1 B-s1,d0
	Performance under environmental conditions, as: Opening under load Low ambient temperature Stability under wind load Resistance to wind-induced vibration (where included) Resistance to heat	SL: See the tracking label T(-15) WL 1500 $\omega_0 > 10\ Hz, \delta > 0,1$ B300 30
	Durability, as: Response delay (response time) Operational reliability Performance parameters under fire conditions	≤ 60 s Re 1000 (+10 000) ≤ 60 s; $\Delta A_{throtat} < 10\ %$

N : DoP CERTILIGHT RIDGEPOLE OFE_indC

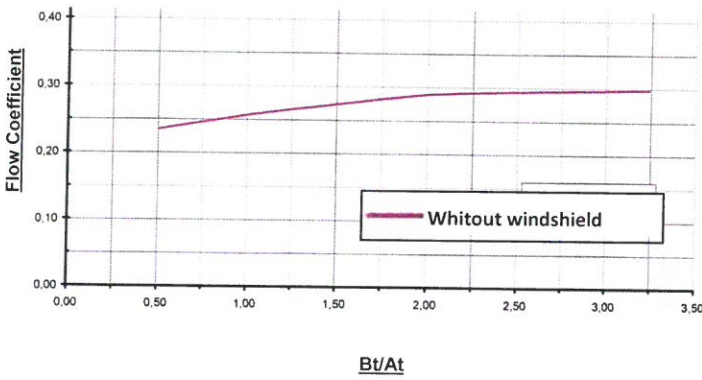
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Free Aerodynamic surface calculation :

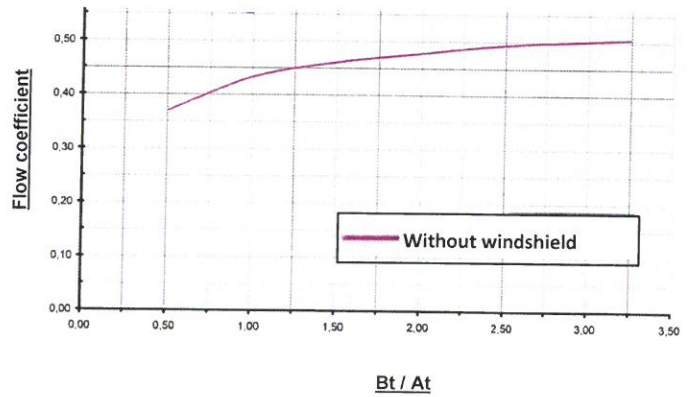
$A_a = A_v^* \times C_v^{**}$ or NPD

$A_v^* = A_t \times B_t = [\text{side A} - 0,181 \text{ m}] \times [(\text{side B} \times 2 - 0,181 \text{ m}) \times \cos(\text{slope angle}) + \text{ridge}]$

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 17/01/2019
In Lognes

