ORiON

MULTIFUNCTIONAL ROOF VENTILATOR

Features

- Compliance with EN 12101-2 and CE mark
- All options of the **ORiON** are certified
- Aerodynamic free area
- Low ambient temperature
- Resistance to heat

The **ORiON** is a multifunctional roof ventilator with certified aerodynamic area as a standalone ventilator with the certification extending when incorporating bird screens, burglar bars and wind baffles in any combination. The added advantage of the **ORiON** is its compliance with EN 12101-2 and CE mark, allowing the designer complete peace of mind when specifying this product.

Specifications

All options of the **ORiON** are certified

- Material: ZincAlume or Galvanised
- Standard Chromadek©, Standard COLORPLUS©, standard RAL colours available
- Installation angle: Flat roof up to 15° inclination
- Opening mechanism: 24V linear actuator or 24V spring return actuator
- Fusible link temperatures: 74°C, 100°C, 138°C, 182°C or 232°C
- Up-stand of 150 mm possible
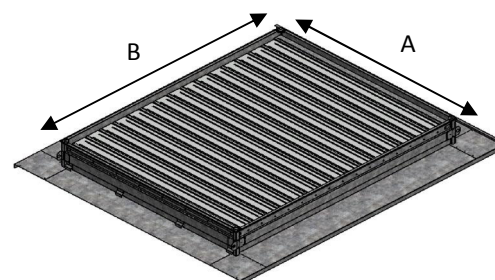- Wind deflector of 50 mm height possible

Performances and Classification

Certified by an independent test laboratory, according to EN 12101-2 standard

- Aerodynamic free area: see table below
- Reliability: Re100
- Low ambient temperature: T(00)
- Wind load: WL 2300
- Resistance to heat: B 300
- Reaction to fire classification (steel): A1

Size Characteristics

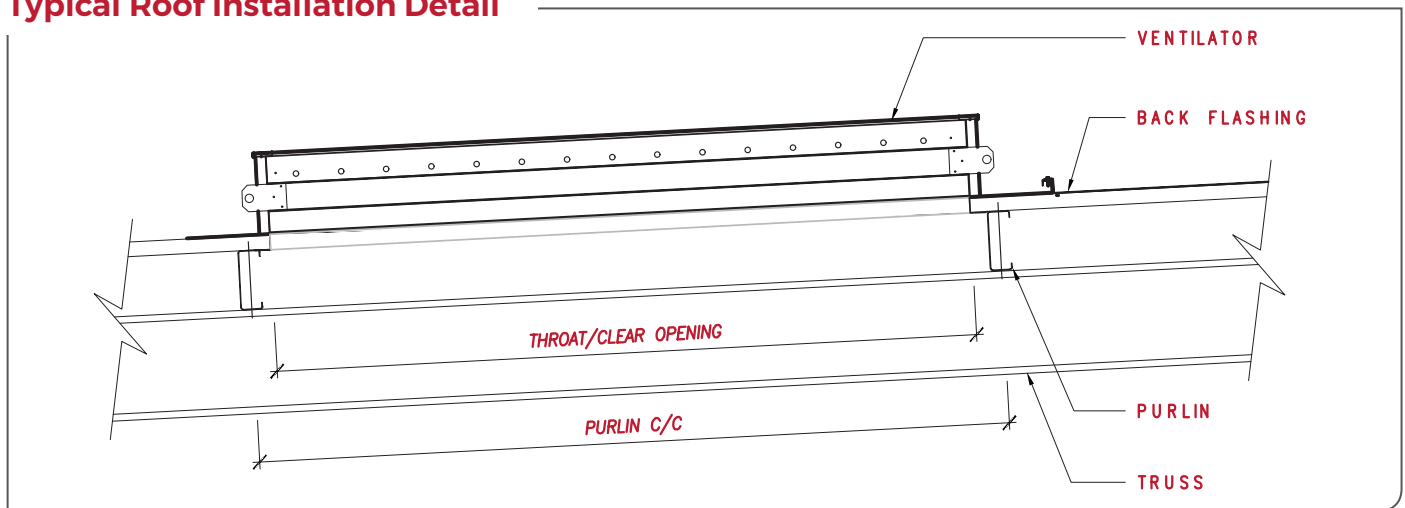| ORiON Code	A10	A12	A14	A15	B10	B12	B14	B15
Throat width A (mm)	1316				1616			
Purlin spacing B (mm)	1394	1660	1926	2059	1394	1660	1926	2059
Geometric area (m²)	1.83	2.18	2.53	2.70	2.25	2.68	3.11	3.32

RVI
SMOKE VENTILATION

ORiON

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Aerodynamic Free Area - m²

ORiON Code	Without Wind Baffle								With Wind Baffle			
	A10	A12	A14	A15	B10	B12	B14	B15	A14	A15	B14	B15
Standard ventilator	1.07	1.28	1.46	1.53	1.35	1.60	1.74	1.82	1.55	1.68	1.93	2.10
With burglar bar	1.02	1.23	1.40	1.47	1.29	1.53	1.67	1.75	1.48	1.61	1.85	2.01
With bird mesh	0.94	1.13	1.29	1.35	1.19	1.41	1.53	1.61	1.35	1.46	1.68	1.82
With burglar bar and bird mesh	0.91	1.08	1.24	1.30	1.14	1.36	1.48	1.54	1.29	1.40	1.61	1.75

Typical Roof Installation Detail

VENTILATOR

BACK FLASHING

THROAT/CLEAR OPENING

PURLIN C/C

PURLIN

TRUSS

Typical Brick Up-stand Installation Detail

VENTILATOR

BRICK WORK

CONCRETE SLAB

THROAT OPENING

CLEAR OPENING

For a quote or more information contact us:

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