

Opensky

Roof Opensky Ventilator Smoke & Natural Ventilator

Tested to BS-EN 12101: Part 2: 2003



Overview

The roof louvred Opensky is a natural and smoke ventilator perfect for comfort ventilation or as part of a N-SHEV (Natural, smoke and heat exhaust ventilation) system.

Product Specification

Sides & Ends

1.5mm press formed aluminium.

Louvre Blade Options

- 1.5mm single skin aluminium.
- 1.5mm double skin with 25mm PIR.
- 2.0mm translucent double skin polycarbonate.

Louvre Blade Pivots

6.0mm diameter solid aluminium bearings in shouldered nylon66 bushes for maintenance free operation.

Finish Options

- Mill finish aluminium
- Polyester powder coated to a BS Standard or RAL colour

Optional Accessories

- Birdguards - 12mm square galvanised wire mesh
- Security Bars/Guards - 16mm Ø solid steel bar
- Insect Mesh - woven aluminium
- Fusible link shields
- Internal closure pieces and flashings

Control Options

- Electric
- Pneumatic
- Manual
- Thermal Release

Installation

The roof Opensky is suitable for fixing in a wide variety of applications. The ventilator is supplied in two parts to facilitate easy installation on site, the base assembly and louvre box assembly. The base types and applications are as follows:

- Turndown Base - mounting onto weathered roof upstand
- Flat Base - mounting directly onto roof sheeting
- Glazing Base - integrating into glazing systems

The Roof Opensky can also be supplied with a hinged base for use as an access hatch.

Louvre Blade U-values

The roof Opensky can be supplied with both insulated louvre blades and an insulated body to assist in ensuring the building is adequately insulated.

The comparative U-Values for the available louvre blades options are as follows;

Louvre Specification	U-Value W/m ² °k
Single Skin Aluminium (1.5mm)	6
Insulated Blades (25mm PIR)	0.66
Polycarbonate Blades (2mm Translucent)	1.75

Translucent polycarbonate louvre blades provide excellent daylighting using a durable UV stabilised material. When closed it can provide an average diffused light transmission in excess of 80%, enabling savings on artificial lighting. Pile weather seals are also fitted to the louvre blade edges and sides to minimise heat loss.

Control Options & Certification

The following control options are tested to the below standards.

Control Options	Tested To
24v Electric Drive Open/Drive Close	EN-12101
Electric 230v Drive Open/Drive Close	BS-7346
Electric 24v & 230v Spring Return	BS-7346
Pneumatic Air To Open	EN-12101
Pneumatic Air To Close	EN-12101
Manual	BS-7346

Testing

The roof Opensky has been tested to BS EN 12101 – Part 2: 2003: Specification for natural and heat exhaust ventilators. When closed the ventilator is weatherproof and is tested to BS 5368 Parts 1 & 2.

Test	Class	Test	Class
SN- Pneumatic	SL-500	Temp (Low)	T (-5 °C)
SN - Electric	SL-125	Temp (High)	B-300

