

# ROOF MAKER

WORLD CLASS ROOFLIGHTS

## INTRODUCING:

### THE ROOF MAKER PASSIVE HOUSE FLAT ROOFLIGHT

cool, temperate climate



**CERTIFIED  
COMPONENT**

Passive House Institute

#### WHAT IS PASSIVE HOUSE?

Passive House comes from the German term, Passivhaus.

It is an aspirational energy efficiency standard, designed to dramatically reduce a building's ecological footprint.

To achieve the Passive House standard, the building and its fixtures and fittings must meet strict criteria. It must **maintain a comfortable temperature**, with minimal heating/cooling needs, and must **prevent heat loss** by drastically limiting the amount of air that can leak out.

#### WHY IS PASSIVE HOUSE IMPORTANT?

##### PASSIVE HOUSE STANDARDS:

- Reduce our energy bills, making us better off
- Reduce our CO<sup>2</sup> emissions, helping to counter climate change
- Save our limited natural resources, giving us more time to find renewable alternatives

Plus, the cost of installing Passive House elements is generally outweighed by their energy saving potential.

#### ROOF MAKER IS LEADING THE WAY IN ENERGY EFFICIENT ROOFLIGHT DESIGN

Roof Maker is a world leader in the design and manufacture of high quality, energy efficient rooflights.

Since 2001, the company has been at the forefront of rooflight research, development and innovation. Roof Maker's range features bespoke sizes, contemporary styles and cutting edge design.

However, it is the superior thermal performance of Roof Maker rooflights that is now gaining worldwide attention.

#### OUR FIRST ROOFLIGHT TO ACHIEVE PASSIVE HOUSE STANDARDS

Roof Maker's Passive House Fixed Flat Rooflight has achieved the Passive House standard.

It has passed the standard's rigorous tests, which prove that it provides constant and consistent temperatures throughout the home.

The rooflight is triple glazed to prevent heat loss, keeping your room warm during the colder months.

In hot weather and direct sunlight, its solar control properties block heat and harmful UV rays. This keeps your room cool and prevents your fabrics and furnishings from fading.

Triple glazing uses just three panes of glass, rather than the four or five you might expect. This keeps the unit lighter and more manageable so it can be fitted quickly and easily.

In addition, Roof Maker is the only UK manufacturer to offer a 20-year glass unit guarantee.

# HOW DOES IT WORK?

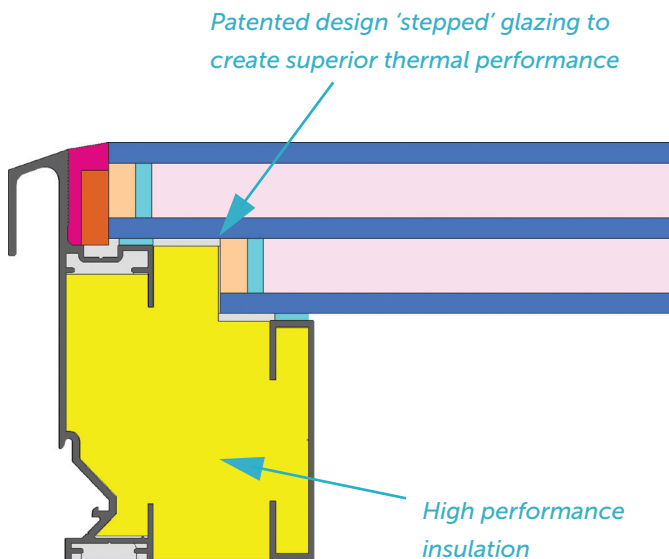
## TECHNICAL GUIDE

Following the same construction principles as the fixed flat rooflight, Roof Maker has manufactured a minimal framed rooflight, which meets certified Passive House standards, whilst maintaining the sleek look of the standard flat rooflight.

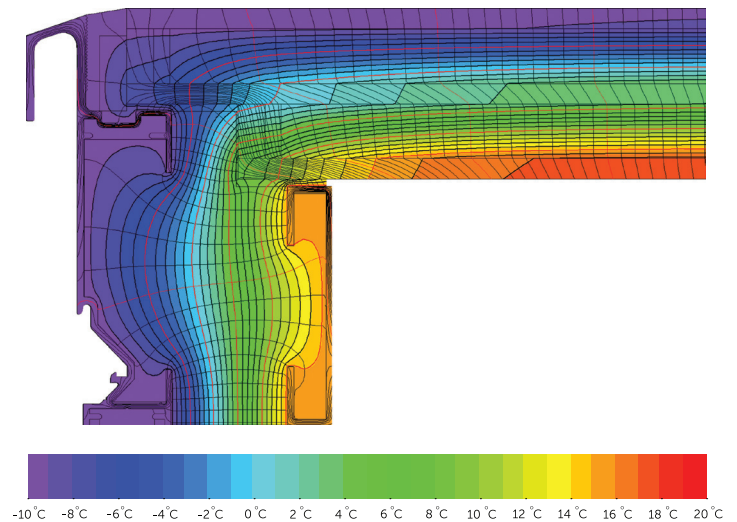
The patented 'stepped' glass design further reduces the energy loss of the rooflight, which can maintain a 30°C difference between the outside and inside of the property, with a guarantee that no condensation will form on the inside pane of glass.

The use of high performance insulation within the rooflights built in upstand and the stepped glass, helps achieve the certified, horizontal product U-value of 0.9w/m2k.

The diagrams below show the typical makeup of the rooflight alongside a thermal image showing how well the heat transfer is kept to a minimum.



*When viewed under thermal imaging:*



To find out how Roof Maker's Passive House Flat Rooflight could brighten your living space and save you money, talk to our representatives today. Either call us on [0116 269 6297](tel:01162696297) or send your enquiries through to [sales@roof-maker.co.uk](mailto:sales@roof-maker.co.uk)

All information and pricing relevant to the Passive House Rooflight can be found at [www.roof-maker.co.uk](http://www.roof-maker.co.uk)

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