

ROOF MAKER

WORLD CLASS ROOFLIGHTS

INTRODUCING A UK FIRST:

THE ROOF MAKER PASSIVE HOUSE FLAT ROOFLIGHT



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 CO² 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 design and manufacture 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 that have wowed architects, developers and consumers alike.

However, it's their superior thermal performance that is now gaining international attention.

THE FIRST ROOFLIGHT TO ACHIEVE PASSIVE HOUSE STANDARDS IN THE UK

Roof Maker's Passive House Fixed Flat Rooflight is the first rooflight in the UK to achieve 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 offer a 20-year glass unit seal guarantee. So your rooflight will keep your home bright and comfortable for many years to come.

HOW DOES IT WORK?

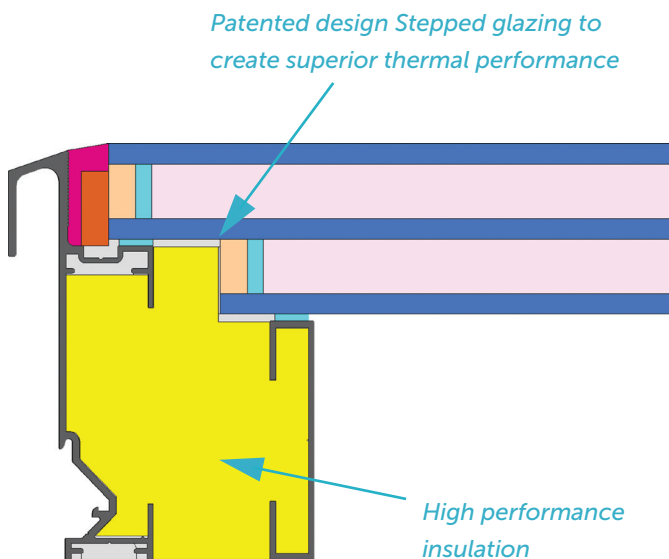
TECHNICAL GUIDE

Following the same construction principles as the ever popular fixed flat rooflight, Roof Maker has cleverly manufactured a minimal framed rooflight, which meets certified passive house standards, whilst maintaining the sleek aesthetics of the standard flat rooflight.

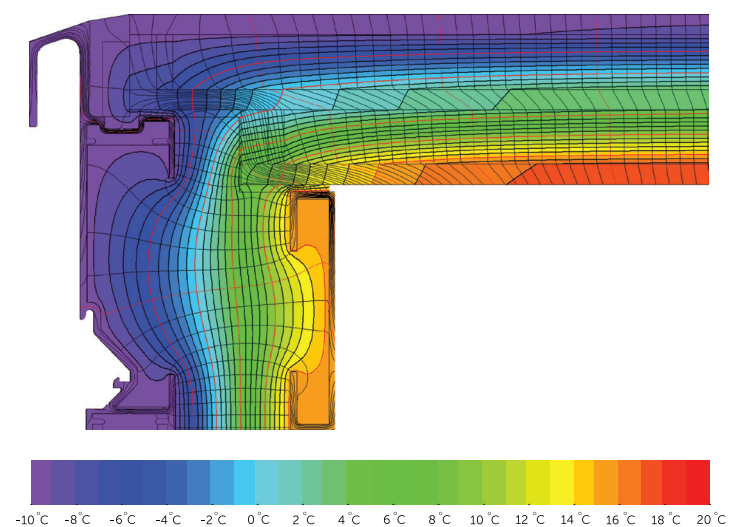
The patented 'stepped' glass design further reduces the energy loss of the rooflight, which can maintain a 30 degree centigrade difference between the outside and inside of the property, with a guarantee that no condensation will form on the inside pane of glass!

The use of high performance insulation within the rooflights built in upstand along with the stepped glass, helps to 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

All information and pricing relevant to the Passive house Rooflight can be found at www.roof-maker.co.uk

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