



**FLAT ROOF | BEAM SYSTEM**

# DISCOVER THE EXCELLENCE OF WARMER BEAM

With exceptional looks and thermal performance the Warmer Beam Flat Roof System combined with the S1 Roof Lantern will bring stylish ambience to any home. Now even stronger, the timber I-beam joist which consist of C24 timber with a 10mm particle board web can reach roof projection spans of up to 7m meters without the need of additional support. The I-Beams are lighter than conventional timber trusses and steel, ensuring less pressure on the supporting walls and frames.



U VALUE  
**0.13**  
AS STANDARD

THE WARMER BEAM SYSTEM IS CONSTRUCTED FROM A LIGHTWEIGHT TIMBER I BEAM FRAMEWORK. IT OFFERS EXCEPTIONAL STRENGTH, ALONG WITH SUPERIOR THERMAL PERFORMANCE AND EXTREMELY QUICK INSTALLATION TIMES.

# Why choose *WarmerBeam*



## LESS MESS, LESS WASTE

Our Flat Roofs arrive in kit form to ensure a stress-free installation. This means far less waste material to dispose of and a much quicker installation process.



## SUITABLE FOR RETROFIT

So light, Warmer Beam can be retro fitted onto existing frames.



## EXTREME STRENGTH

Structural I beams consist of C24 timber with a 10 mm particle board web. This makes the beam incredibly strong and capable of large unsupported spans.



## TESTED & APPROVED

The Warmer Beam System has been tested and certified by building control and surpasses all requirements.



## THERMAL PERFORMANCE

Exceptional thermal performance helps to keep your room cool during the summer and retains heat during the winter.

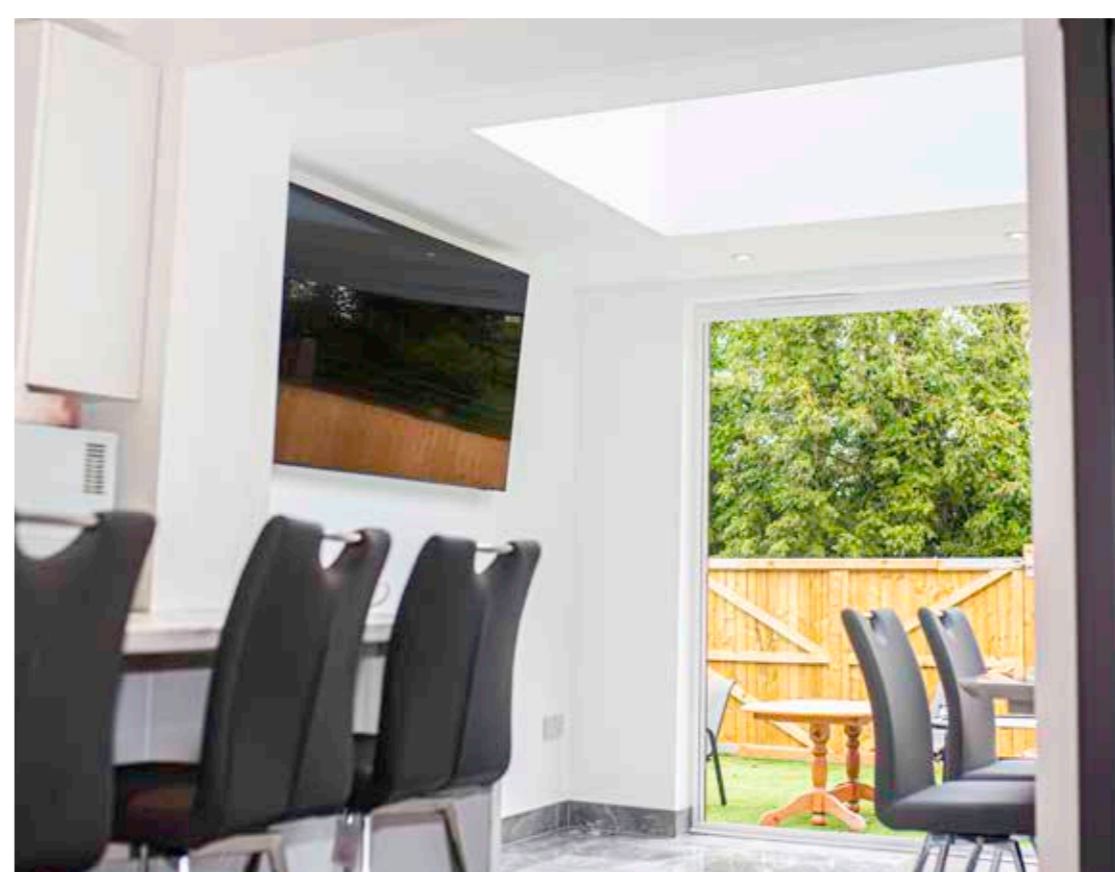


## MORE FOR LESS

Providing high quality flat roofs at the most competitive prices. Exceptional value for money without compromise to quality or performance.

# ENGINEERED FOR QUICK AND EASY INSTALLATION

Most flat roof orangery roofs, made the conventional way, can take days, sometimes weeks to construct and complete. The Warmer Beam system is supplied in kit form along with detailed assembly drawings, providing a quick and simple installation. The Warmer Beam System can typically be erected within a matter of hours, ready for waterproofing and installation of the S1 Roof Lantern.



# STUNNING INTERIORS TRANSFORMING HOMES ACROSS THE UK



**PERSONALISED I BEAM PLAN TO EASILY LOCATE BEAMS & ASSOCIATED PARTS**



**ENGINEERED WALL PLATE WITH GROOVES TO EASILY LOCATE HANGERS**



**PRE-ASSEMBLED INSULATED UPSTAND**



**150MM GLULAM EAVES BEAM CUT TO SIZE**



**OSB CUT TO SIZE WITH LOCATION PLANS**



# BUILT-IN INNOVATION

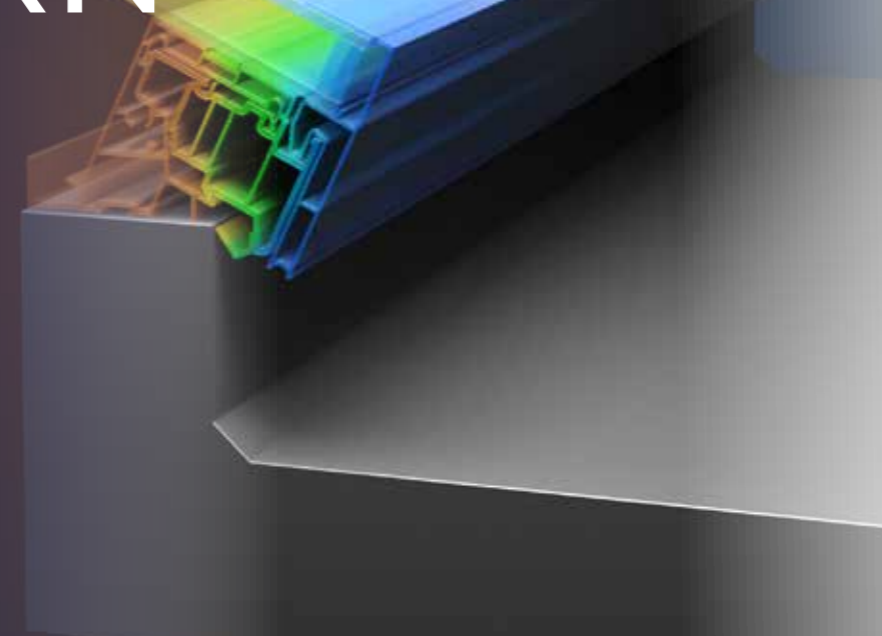


# SHEERLINE S1 ROOF LANTERN

Create the sense of clear free space in your room with our slim and contemporary Warmer Aluminium S1 Roof Lanterns. From the outside our discreetly designed external rafter top cappings and slimline ridge are a world apart from the chunky conventional T-bar caps and ridges used by competitors. This unique design creates a feeling of more sky less roof, giving visible elegance to your roof design and appearance.

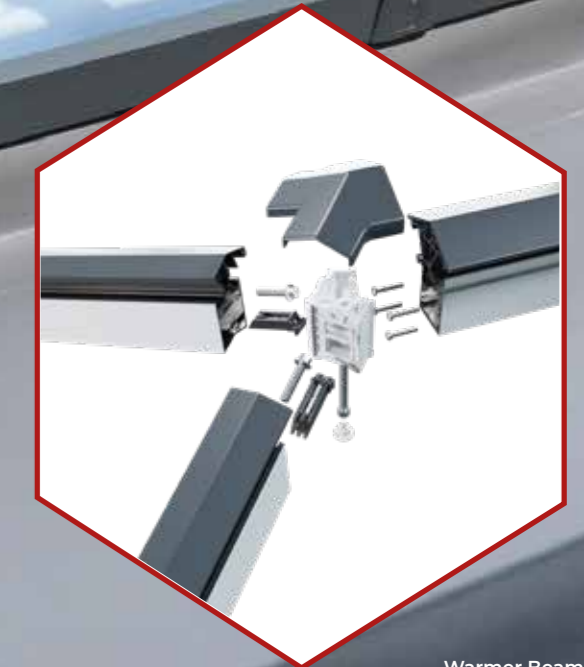
## THERMAL PERFORMANCE

Thermlock® multi-chamber technology used in the eaves beam, ridge and all rafter and hip bars creates an exceptionally thermally insulated lantern. With a unique co-extruded perimeter seal, ensuring draughts and rain are kept safely outside, while 28mm glazing allows acoustic dampening glass to be fitted if required.

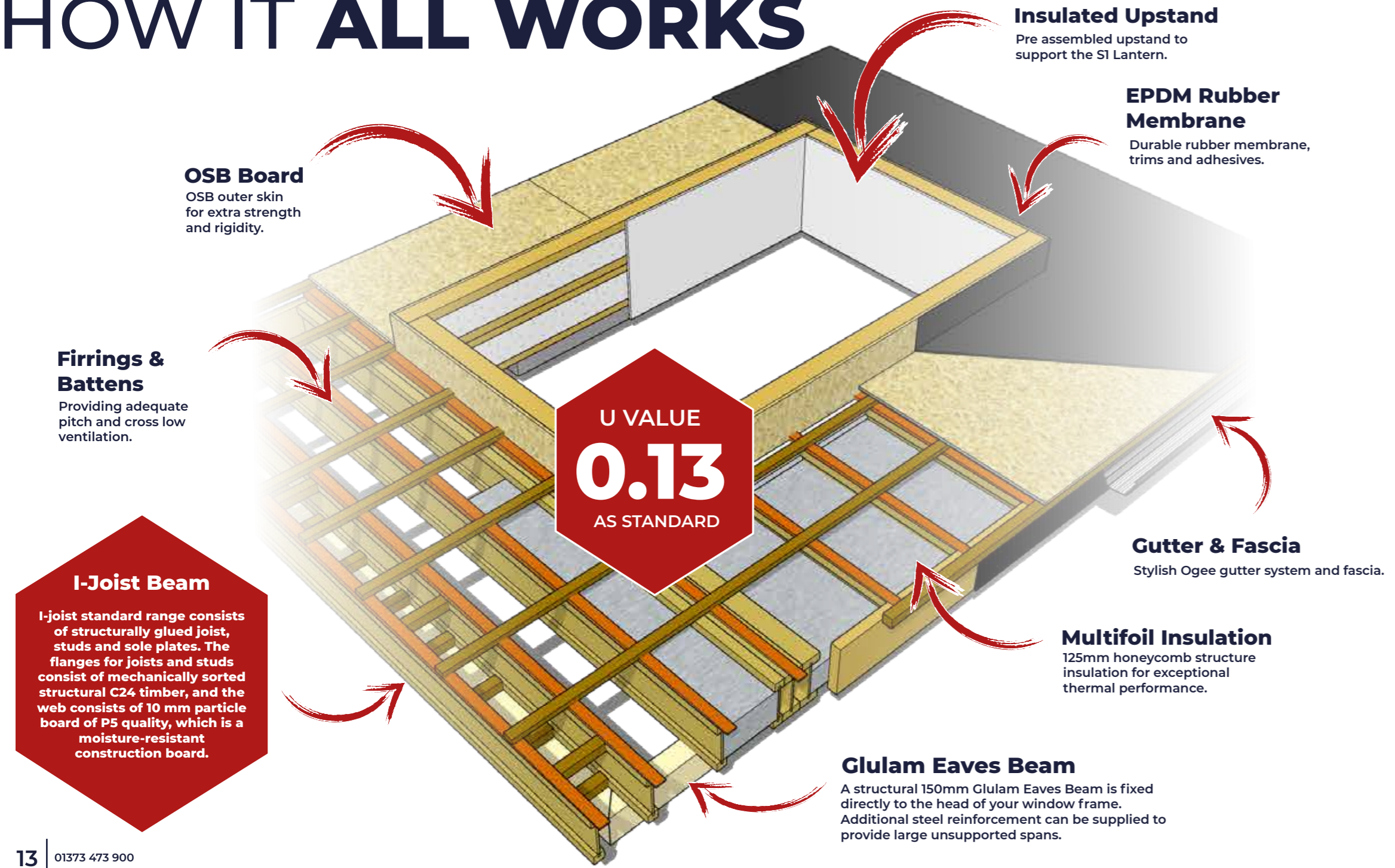


## THE UK'S MOST SECURE ROOF LANTERN

The innovative construction of the S1 system eliminates the security weaknesses of traditional lantern designs. Features such as anti-tamper screws, enclosed anti-tamper glazing, security tape and our patent pending glass lock, alongside our unique high security ridge end, ensure there isn't an easy way to enter your property via your flat roof lantern. All these innovative features combine to make Sheerline's S1 system the UK's most secure aluminium lantern roof. If you are looking for a lantern that comes with extra peace of mind as standard then we have you covered.



# HOW IT ALL WORKS



**Insulated Upstand**  
Pre assembled upstand to support the S1 Lantern.

**EPDM Rubber Membrane**  
Durable rubber membrane, trims and adhesives.

**OSB Board**  
OSB outer skin for extra strength and rigidity.

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**Firrings & Battens**  
Providing adequate pitch and cross low ventilation.

**Gutter & Fascia**  
Stylish Ogee gutter system and fascia.

**Multifoil Insulation**  
125mm honeycomb structure insulation for exceptional thermal performance.

**Glulam Eaves Beam**  
A structural 150mm Glulam Eaves Beam is fixed directly to the head of your window frame. Additional steel reinforcement can be supplied to provide large unsupported spans.

**I-Joist Beam**  
I-joist standard range consists of structurally glued joist, studs and sole plates. The flanges for joists and studs consist of mechanically sorted structural C24 timber, and the web consists of 10 mm particle board of P5 quality, which is a moisture-resistant construction board.

**You can rest assured that the Warmer Beam system has been designed and tested, to offer a 25 year product guarantee with engineered products that should last a lifetime**

*... tried, tested and trusted*

MAXIMUM  
**7m**  
PROJECTION

## Strength

The timber I-Joist Beams can reach spans of 5.5 meters without the need of additional support. The I-Beams are lighter than conventional timber trusses and steel, ensuring less pressure on the supporting walls and frames.

## Thermally Efficient

The multi-layered honeycomb insulation totalling 125mm with the addition of 83mm Insulated Plasterboard provides exceptional thermal performance. Certified and tested to achieve 0.13 W/m<sup>2</sup>K, the Warmer Beam system outperforms most other systems and traditional orangery constructions.

## Internal finish

83mm insulated plasterboard is fitted to the internal structure providing extra thermal and vapour protection. The inside of your Warmer Beam system is then plastered, providing a smooth internal finish ready for the decoration of your choice.



# COVERED EXTERNALLY WITH A DURABLE RUBBER MEMBRANE

This system comprises membranes with a selected set of accessories which provide an outstanding lifespan, ease of application, flame and heat-free installation, superior durability and a low life-cycle cost. The rubber membrane system offers a unique combination of features and benefits, making it a top choice for flat roofing material across the world.

- ✓ Simple and easy to install
- ✓ Little to no maintenance
- ✓ Life expectancy up to 50 years
- ✓ Exceptional durability
- ✓ Lightweight material
- ✓ Eco friendly
- ✓ Highly flexible
- ✓ Flame-free installation

ALL TRIMS AND CAPPINGS  
SUPPLIED AS STANDARD



# FLAT ROOFLIGHTS

Flood your home with natural light with Infinity Rooflight toughened safety glass frameless roof light. These thermally insulated skylights come in a range of standard sizes. The fixed roof lights are manufactured from Toughened Safety Glass and come with a high-class polished edge finish as standard. Each of the double glazed window glass units are Argon gas filled with thermal super spacer technology offering you both excellent thermal insulation and light transmission.

## KEY FEATURES

- ✓ **Thermal Toughened Safety Glass:**  
Available in 6mm double glazed (U-Value up to 1.0 W/m<sup>2</sup>K) and triple glazed (U-Value up to 0.5 W/m<sup>2</sup>K) options.
- ✓ **Solar Control Glass:**  
Blocks a significant amount of ultraviolet (UV) light, which helps protect damage caused by prolonged exposure to sunlight.
- ✓ **Decorative Border:**  
Comes with a black (RAL 9005) decorative border as standard, with other RAL colours available upon request.
- ✓ **Low Emissivity (Low-E) Glass:**  
Reduces the heat transfer through the glass and keeps indoor temperatures more consistent, leading to lower energy costs for heating and cooling.
- ✓ **Aluminium Frame with Thermal Break:**  
Anthracite Grey (RAL 7016) or Black (RAL 9005) aluminium frame featuring a thermal break to reduce condensation and improve energy efficiency.

# A TRIED AND TESTED SYSTEM

Your Warmer Beam System has been independently tested and certified by LABC. These tests involve detailed analysis and verification of the roof system from independently sourced structural calculations, along with further assessment checks on thermal performance and condensation risk.

Building Control is often perceived as a burden when making improvements to your home which puts off perspective customers from investing into a home extension. We have created a process which eradicates all the hassle, meaning a smooth process from start to finish.

## Performance

The following calculations have been carried out by an independent Insulation Specification Specialist to achieve a 0.13 Wm<sup>2</sup>K U-Value

The calculations also undertook a Condensation Risk Analysis and further assessments that calculate the predicted dewpoint temperature. The results show there is no risk of condensation / moisture build up within the roof. These results are paramount to ensuring no gradual degradation of the construction materials or chances of mould growth.

**WARMER ROOF HAVE A DEDICATED IN-HOUSE TEAM TO PROCESS YOUR APPLICATION AND GUIDE YOU EVERY STEP OF THE WAY. THIS PERSONAL TOUCH IS DESIGNED TO SAVE ANY UNNECESSARY HEADACHE AND DELAY IN OBTAINING BUILDING CONTROL CERTIFICATION ON YOUR PROJECT.**



# Your Questions Answered

## Can I make the appearance of my new roof blend in with my house.

Absolutely, you can customise your Warmer Beam System with a range of gutter, fascia and soffit colours to blend in perfectly with your home.

## Why timber?

Timber is the most naturally insulating raw material we have at our disposal, coupled with sourcing sustainably. It has huge advantages over traditional methods and materials.

## How long does it take?

Delivery can be in as little as five days from date of deposit payment. Start to finish build in as little as three days. Your step to adding valuable space to your home is weeks away.

## Do I need Building Control Approval?

Generally Building Control is required but it is wise to consult with your local council Building Control department as Building Control opinion can vary from council to council. Warmer Roof has full LABC accreditation so this makes Building Control applications less complicated as an approved roofing system is being used.

## Will my new frames withstand a new roof?

Warmer Beam is so light it can be retro fitted to existing frames. The system weighs less than a glass roof. In accordance with Government Guidelines, if the structure shows no signs of distress, the existing foundations are likely to be adequate to carry the small additional loadings. We advise on installers checking the footings and adding reinforcements to frames if necessary.

## Will a new roof really improve the temperature inside my conservatory?

Yes certainly! The Warmer Beam System will dramatically change the temperature making your room much warmer during the winter and cooler throughout the summer allowing you to enjoy your conservatory all year round.