

icotherm™

WARM ROOF DIVISION

The Icotherm collection

Timber roofs for conservatories and single storey extensions

Create a room that you can use **all year-round**

Looking to upgrade a glazed conservatory roof, or need to extend your property with a room that gives you that homely feel?

Icotherm's roof solutions offer you all the options you need for a standard conservatory roof replacement or a bespoke new build to match your property. Your Icotherm roof can include Velux windows, panoramic glass panels or lanterns.



Icoroof with Velux windows

Why **timber?**

A renewable building material, timber has been used in construction for centuries, starting in the Middle Ages. Early examples include the roof frame for Saint Paul's Cathedral (17th Century). Most Romanesque buildings (1000 AD) were roofed using timber frames.

One of timber's other key benefits is that it is naturally insulating, as opposed to aluminium—which is known to be highly conductive.

Timber has a very low thermal conductivity of 0.16 W/m2k (aluminium is 205.0 W/m2k, it is very good at conducting heat and cold*).

The completed Icotherm roof offers a U-value of 0.16W/m2k (even better than an insulated house cavity wall: 0.41w/m2k**).

Source Reference:
* www.hyperphysics.phy-astr.gsu.edu/hbase/Tables/thrcn.html
** www.thegreenage.co.uk/what-are-u-values



Key benefits

Natural insulator

Timber is naturally insulating, as opposed to aluminium, which is known to be used for similar solutions.

Premium quality materials

Icotherm select only the highest quality timber, using a premium C24 building grade material.

FSC certified

All our structural timber is FSC certified.

The Forest Stewardship Council (FSC) shall promote environmentally appropriate, socially beneficial and economically viable management of the world's forests.

All shapes **and sizes...**

Whether you are looking for a replacement or are planning a new build, you want the end result to be right for you.

Our roof can be constructed in any of the typical conservatory shapes (Victorian, Edwardian, Lean-to, Gable, Combination), as shown below.

Thanks to the flexibility in design offered by a timber solution, you can opt to have a completely bespoke room, with an Icotherm roof to match.



Combination extension layout, with Icotiles and Velux.

Roof Shapes

Edwardian

Also known as Georgian. A simple shape with a square or rectangular footprint.

Lean-to

Single pent roof, can be referred to as a sunroom. Offers clean lines.

Victorian

Multi-faceted, with 3 or 5 sides. One of the most popular styles.

Gable

Modern look with a high (gable) frontage, double pitch, often aligned with the house.

Hipped lean-to

As per the lean-to, with additional side slopes to the side.

Combination

A bespoke shape unique to you, combining any of the above.



Customise **your room**

No compromise **on light**

Balance comfort and space by selecting:

Natural Light

Choose to add Velux windows to the Icoroof, or select the impressive Icoview design, an alternative that seamlessly integrates full length glass panels to sections of the roof, giving you a beautiful near panoramic view of the sky.

VELUX®

Lighting

Ask for your roof to be designed with LED ceiling lights. When combined with a traditional plaster finish it will give your new room an airy and bright look and feel, to be as welcoming as the rest of your house. All without the loss of light.

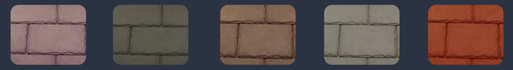
Blending in...

We can help you choose from a range of tile and facia colours, ensuring your space will look as good from the outside as it does from the inside.

You will be able to choose from a selection of lightweight tiles, all designed to blend in with your existing house roof.

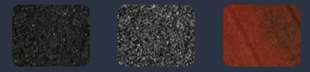
We offer a range of lightweight tiles that beautifully replicate traditional stone, terracotta and slate. With a wide range of colours, your chosen tiles will match and compliment your home. In addition, your choice of fascia and guttering will provide the finishing touches. Icotherm's tile options are UV protected as standard and have the additional benefit of being fire-rated for your peace of mind.

icoslate (slate effect)



Amethyst | Ash | Oak | Slate | Sunset

icotile (shingle)



Black | Dark grey | Brindle red



Brindle brown | Red | Brown

Disclaimer: the available selection of tile brands and colours may be different to the one shown here. Please always check availabilities with your installer.



Edwardian room with Icoslate in Anthracite and 2 Velux Windows.

Choose from a wide range of **internal & external finishes, lighting and windows**

1,000's of families **and counting...**





"Our old conservatory was difficult to heat in winter and like a greenhouse in summer. Our Icotherm roof has completely transformed our conservatory to the room we've always wanted. We fully recommend an Icotherm upgrade."

Mr & Mrs Laverty
Icotherm Customer



How does it work?

Cross section

The Icotherm roof systems have been designed specifically to offer a lightweight, highly insulated solution, that is fast to install to ensure minimum disruption to your home, especially important if you are replacing a glazed roof.



Illustrative purposes only.

Why icotherm?

Eco-friendly
Sustainable, FSC certified timber

Fully Ventilated
For the perfect living environment

Thermally Efficient
0.16 U-Value

Building Control Compliant

Use the table below to **select the best roof option for you:**

	icoroof™	icoview™	icospan™	ico600™
	Standard pitched roof, with the option of adding Velux windows, and selecting your choice of tiles	For a dramatic change opt for full glass panels	Flat roof option that can be finished off with a lantern for a prestigious looking orangery	If you are in bungalow or cottage with a low roof line, opt for a low pitch roof
New build	✓	✓	✓	✓
Replacement	✓	✓	✓	✓
Velux	✓	–	–	–
Glass panels	–	✓	–	–
Lantern	–	–	✓	–



Illustration showing how our flat roof Icospan, fitted with a glass lantern, can help create a beautiful orangery.







For new single storey extensions or retrofit







Your Questions

Everything you need to know about our roof systems...

Will I be able to use my room all year round?

Yes. The addition of an Icotherm roof can make your room up to 90% warmer in winter and 70% cooler in summer whilst enjoying the benefits of reduced noise pollution, no solar glare and extra privacy.

Is condensation a real issue?

The Icotherm roof is designed specifically to be ventilated. Combined with the fact that it uses timber, which has low thermal conductivity, results in a low U-value and approval in a low condensation risk analysis.

How long will it take to complete the work?

Whilst no installation is the same, an average conservatory roof upgrade is completed within 2-3 days. In most cases secure and weather-tight in the same day.

Do I need building control?

Icotherm roofs are fully compliant with building control regulations. It is recommended that you check with your local building office to determine whether or not consent is required. As a leading timber design system we are approved by building inspectors, thus simplifying the building certificate application process.

Will the roof be too heavy for my existing frames?

When compared to a glass roof the Icotherm roof is only marginally heavier. In keeping with government guidelines, ensure the structure shows no sign of distress and that the existing foundations are adequate to carry the additional loadings. In addition it is also important to check that existing windows and door frames are suitably reinforced.

Will an Icotherm Roof match my house?

Icotherm specialise in bespoke design offering customers a range of both internal and external finishes to provide a matching solution for your home.

Will my internal room feel darker?

A tiled roof will ensure you lose the permanent glare and hot/cold spikes. A small reduction in light will follow, but you can opt to have Velux windows fitted to compensate.

Will the roof be strong enough to stand on, to clean windows?

Providing all Health and Safety procedures are followed, the roof structure is strong enough to stand on. We recommend the use of a board or suitable covering to protect the tiles.





My Icotherm roof...

Genuine product
All Icotherm roofs are stamped so that you always know you are getting a genuine Icotherm made product.

10 years guarantee
Your installer receives a 10-year manufacturer warranty against manufacturing defects.

Fully compliant
The Icotherm system is compliant with Building Regulations. When you choose an Icotherm roof you do so with the assurance that your room will be building inspector approved.

Thermally efficient
The Icotherm roof helps maintain optimum temperature in the room, protecting from the summer heat and retaining warmth in winter.

Speedy installation
Pre-fabricated roof modules ensure speedy installation and minimum site disruption.

Customisable
Design a room unique to you with a choice of internal and external finishes, lighting and roof glazing.

Tested & approved
Structurally approved by specialist engineers.

Building control compliant
The Icotherm Roof system is fully compliant with all relevant building regulations.

Eco-friendly timber
Sustainably sourced timber, making for the ultimate green building solution.

www.icotherm.co.uk















icotherm™
roof systems

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