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Everbright

WINDOWS & DOORS



The Icotherm Collection

Timber roofs for conservatories
and single storey extensions



Sheertherm
Manufacturing Ltd

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

Looking to upgrade a glazed conservatory roof, or do you 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 0.15W/m2k, with the option of 0.12 being available for the Scottish and Welsh markets (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.



Blending in...

We can help you choose from a range of tile and fascia 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



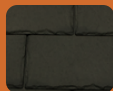
Sunshine



Slate



Sunset



Charcoal

Icotile (shingle)



Titanium
Grey



Bramble
Brown



Rustic
Brown



Rustic
Terracotta



Rustic
Red



Smoked
Oak



Raven

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



Customise the lighting in **your room**

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®

Velux® options include:
Manual or electric with rain sensors.



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. This will help the space to be as welcoming as the rest of your house. All without the loss of light.

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




“

The best thing I have ever done to my property, it has opened up a new space. Would definitely recommend

”

Mr Gillian

Sheertherm Manufacturing Customer



Edwardian roof with Icoslate
in slate and two Velux
windows.

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

How does it work?

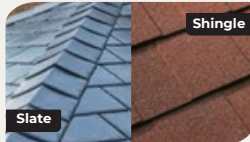
Pitched roof construction

Cross section

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

0.15 U-VALUE
BUILDING REGS COMPLIANT

Illustrative purposes only.



Tiled Roof

Choose from our extensive colour options in slate or shingle.

Tile Spacer/Packer
(Not needed for slate)

Air Flow

Air flows in over the eaves and out at the ridges or wall plate.

Ridge Cover

OSB 3

Light, strong OSB board, with excellent water resistance.

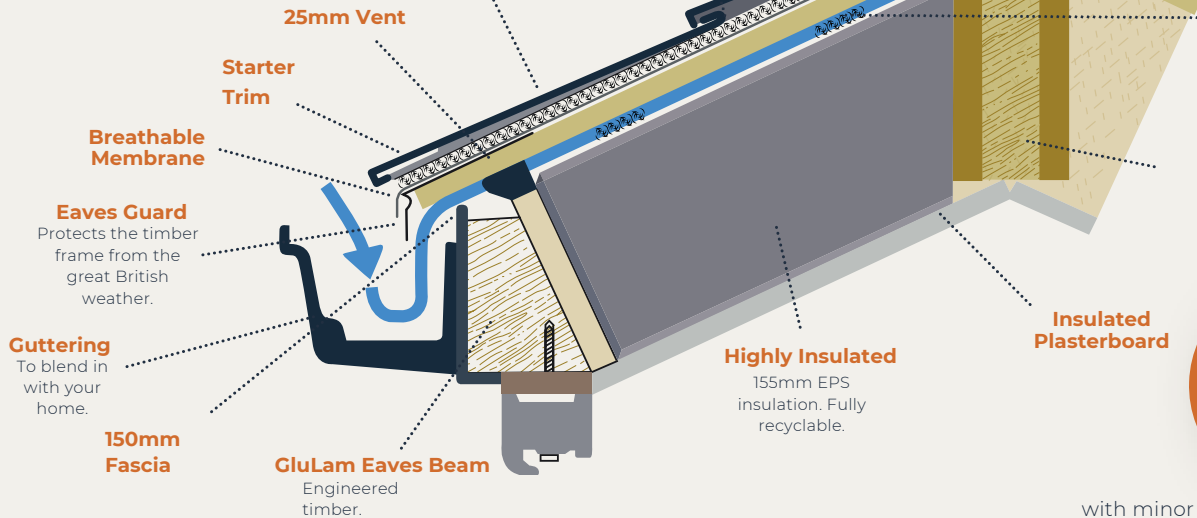
Ventilation Protector

Ridge Beam

Premium C24 building grade timber.

0.12 U-VALUE
ON OUR ICOPRO ROOF

with minor specification changes.



Why
icotherm?



Eco-friendly

Sustainable, FSC certified timber

Fully Ventilated

For the perfect living environment





Thermally Efficient

0.15 U-Value

Building Control Compliant



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

		New Build	Replacement	Velux®	Panels	Lantern
 <p>icorooft</p> <p>Standard pitched roof, with the option of adding Velux® windows, and selecting your choice of tiles.</p>	✓	✓	✓			
 <p>icoview</p> <p>For a dramatic change opt for full glass panels.</p>	✓	✓		✓		
 <p>icospan</p> <p>Flat roof option that can be finished off with a lantern, for a prestigious looking orangery.</p>	✓	✓			✓	
 <p>ico600</p> <p>If you are in bungalow or cottage with a low roof line, opt for a low pitch roof.</p>	✓	✓				



Your questions

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

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

The addition of an Icotherm roof can make your room up to 70% cooler in summer and 90% warmer in winter so you will be able to comfortably use your room all year round! You will also be able to enjoy the benefits of reduced noise pollution, no solar glare and extra privacy.

Is condensation a real issue?

The Icotherm roof is specifically designed to be ventilated. It also has a low U-value due to the fact that it is built from timber, which has low thermal conductivity, and approval in a low condensation risk analysis.

How long will it take to complete the work?

Whilst no roof installation is the same, an average Icotherm roof upgrade is completed within 2-3 days. The roof is secured and weather-tight on the same day in most cases.

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 the Icotherm Roof is 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 slightly 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 weight. In addition it is also important to check that existing windows and door frames are reinforced suitably.

Will an Icotherm roof match my house?

The Icotherm Roof can be bespoke designed, 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 or choose an Icoview roof with full glass panes incorporated.

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

The Icotherm roof structure is strong enough to stand on, providing all Health and Safety procedures are followed. Although we do 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.



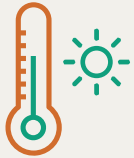
10 years guarantee

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.



Tested & approved

All roofs checked by a structural engineer. BRE tested.



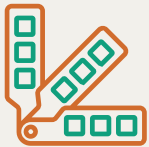
Speedy installation

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



Building control compliant

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



Customisable

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



Eco-friendly timber

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



All our roofs are perfect for new single storey extensions or retrofits







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