



**ICENI**  
WINDOWS & DOORS

## Leka tiled conservatory roofs

Transform your living space

 **LEKA**<sup>™</sup>







# Leka tiled conservatory roof systems

Considering a new conservatory and want to be able to use it all year? Or perhaps you own a conservatory and find it too hot in the summer or freezing in the winter?

Developed by industry professionals, the Leka Systems product range can offer immediate assistance and provide the solution you have been looking for.

When you specify a Leka tiled roof, you will benefit from in depth research, enormous investments and precision engineering, all helping to create the best replacement roof for your conservatory.









# Why Leka roofs?

We designed the Leka Roof to outperform as well as outlast common glass and polycarbonate roofing systems. Ifs so good it has been approved by JHAI, the approved building inspector licenced by the Government, and our patent-pending technologies lead the way for innovation in the industry.

If you have a glazed or polycarbonate roofing system on your conservatory, you may find the space too hot in the summer and too cold in the winter. The reason for this is poor roof insulation. It is also common for homeowners to find glare in the winter and summer unbearable. The Leka System solves both these issues with proper insulation set into a solid, tiled conservatory roof. This creates a more usable space year-round.

The Leka System is far superior to competitor systems. It delivers the performance, efficiency and longevity of your normal roof, and crucially, looks very similar. You can have a concrete effect or slate effect tile in a wide range of colours.



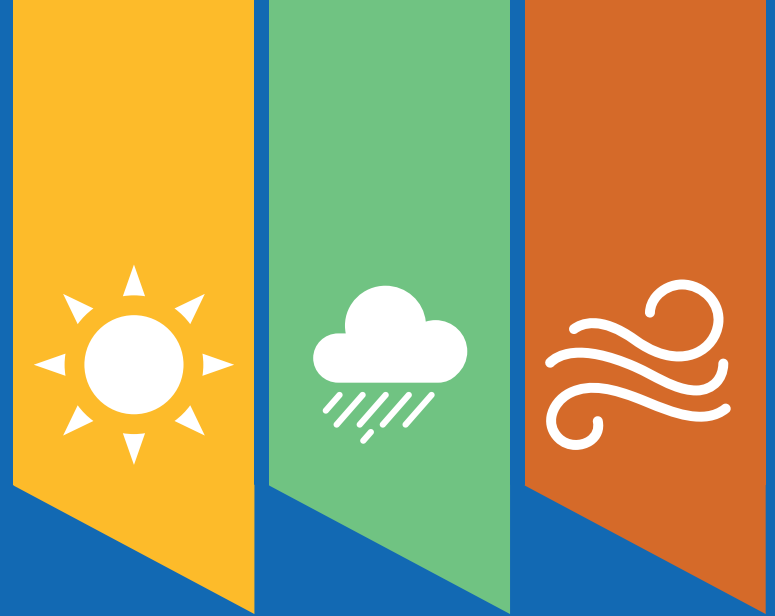


The Leka  
lightweight tiled  
roof is a revolution  
to conservatory  
owners

It provides a perfect solution to  
old and tired conservatories with  
extreme temperature fluctuations  
that owners currently experience



# Enjoy your conservatory all year round



**Warm and cosy** in Winter



**Cool and relaxing** in Summer



**Fast fitting** with minimal disturbance



**Structurally tested** GRP framework



**No timber** = No moisture absorption or rotting



**No aluminium** =  
No condensation/thermal bridging



**Lightweight** structure, ideal for installation on conservatory framework



**Industry leading** energy values



Building regulations **compliant**









## Stylish spaces tailor made for you

Our experienced staff understand that each home has its own style with your vision in mind. Whether it's for entertaining the guests at your next dinner party or cosying up with a cup of tea and a book.

With a Leka system, you have the room to breathe and relax in your brand new, tailor made space.

Not forgetting you can now use it 'all year round'.





# Leka tiled roof styles

## Options and styles to suit your property

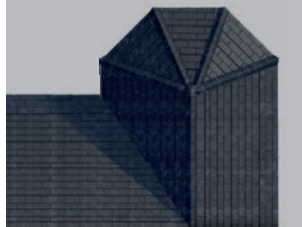
The Leka roof is so adaptable it can accommodate almost any conservatory design. Here are the most popular choices for conservatory roofs.

Ask one of the team if you can't see your conservatory layout here.

- Victorian
- Gable end
- Edwardian
- Lean-to
- Combination\*

\*Combinations of roofs can include any style

Combination





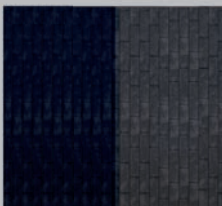
Victorian



Edwardian



Gable Ended



Lean-to

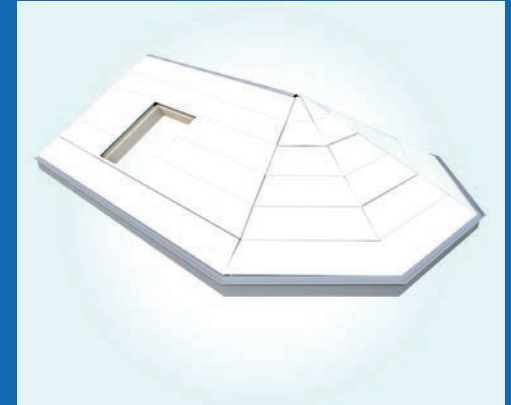
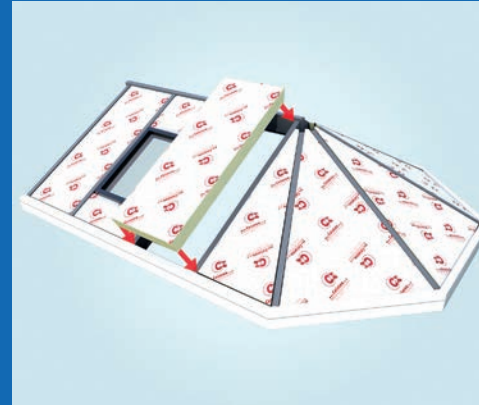
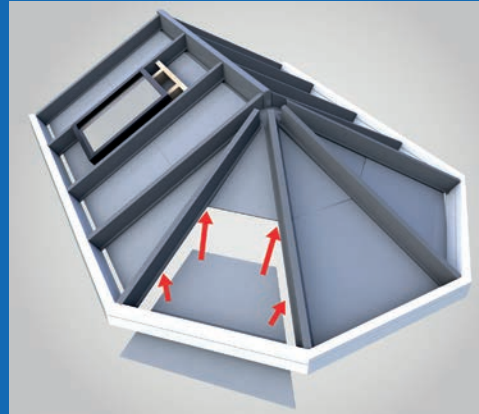








# Elements of a Leka roof



## Glass Reinforced Plastic (GRP)

The Leka Roof's frame (made up of rafters, a ring beam and ridge) is made from glass-reinforced plastic. GRP is a composite with tensile strength greater or equal to steel. Yet it will never corrode or rot.

Nor will it shrink or warp. It's the perfect choice for a roof which is why we chose it. Other materials cannot beat it.

## Internal Leka Boards

We call them 'Leka boards' because we established the benefits for the Leka roof purpose. These are fitted beneath the GRP rafters. They are a third the weight of standard plasterboard, more thermally efficient and 100% waterproof, so will never degrade. They can be skimmed the same as plasterboard for a perfect finish.

## Insulation sheets

We tested a wide number of insulation sheets before choosing a small number of brands. In our opinion, these are the best insulation products on the market. The sheets are fitted with a 15mm gap from the Leka boards to create a warm air pocket. This provides high value thermal efficiency. Each sheet is perfectly cut for your roof.

## External Leka Boards

Next, strong, load-bearing and insulated outer sheets are installed onto the rafters, covering up the construction beneath. The outer sheets are also made of high-grade plastic and XPS foam. They are significantly lighter than any other covering board, 100% waterproof, and have a longer life than plywood boards. This makes them far superior.





# Choose your look

Choose between slate-look and concrete replica tiles

SLATE

CONCRETE

## Engineered tiles

Of course, the extensive engineering time we put into developing the GRP for our lightweight tiled conservatory roof would be pointless if the tiles on top of it added too much weight. The solution was found in engineered tiles. Which are strong, durable and available in a wide range of colours.

We offer two types of engineered tile; concrete-look and slate-look tiles.

These are lighter than real concrete or slate but just as durable. They are suitable for roof pitches as low as 15 degrees and require no more maintenance than regular roof tiles.

Importantly, they are a close match to the existing roof on most homes for aesthetic continuity.

## Safe and sound

Over the years Leka Systems have seen every type of roof structure you can imagine, and also some roofs that are simply unsafe due to factors of pitch and construction.

With this in mind, all our UK retailers, manufacturers and distribution partners are issued with strict guidelines before being able to install our roof systems.



## Slate

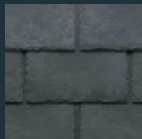
Lightweight  
composite plastic

For centuries, slate roofing has been desired for its durability and beauty. With authentic surfaces and edges, our Slate highlights its handsome character, at the same time enhancing roof performance through innovative design.

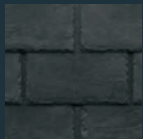
Unlike natural slate, the Leka roofing slate won't break or delaminate and comes with a 40-year warranty. Our BBA Certified slate gives you the power to evoke both historical elegance and outstanding modern-day style.



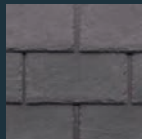
### Available colours



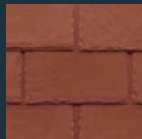
Pewter Grey



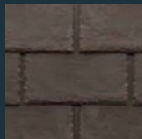
Stone Black



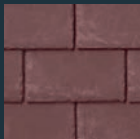
Plum



Brick Red



Chestnut  
Brown



Red Rock

## Concrete

Lightweight  
replica tile

Offering the rooftop quality and style, our shingle tiles have a unique hidden fix system that provides a seamless finish between tiles.

Not only are these tiles pre-cut at factory level for accuracy but are incredibly lightweight in comparison to concrete, so work well with the Leka roof system.

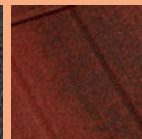
We have a variety of colours available to replicate a traditional concrete tile finish and can install our tiles down to 15 degrees in pitch.



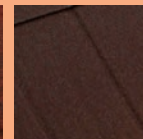
### Available colours



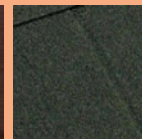
Charcoal



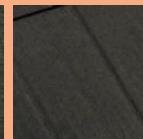
Antique Red



Burnt Umber



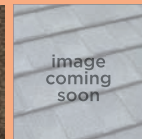
Moss Green



Ebony



Iron Bark



Scarlet



# A closer look

## Ambient lighting

For the perfect touch to any room, ambient lighting is the perfect compliment. With our wide range of spot lighting, positioned to the most optimal places. This will allow your new room to be enjoyable from morning til night.





## Roof vents

The Leka roof system can be complimented by a number of highly engineered roof vents to suit your properties orientation, appearance and light requirement.

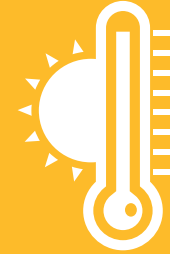
Roof ventilation also helps your space remain fresh when additional air movement is sought after in particularly aggressive weather environments. The ambient lighting section is fine, however the roof picture on the bottom is not a tiled roof, if's an orangery and will need changing Ambient Lighting For the perfect touch to any room, ambient lighting is the perfect compliment. With our wide range of spot lighting, positioned to the most optimal places. This will allow your new room to be enjoyable from morning til night.







# Thermal efficiency



It won't have escaped your attention that your conservatory gets too hot in the summer and is too cold in the winter.



Most roofing systems have poor thermal efficiency because of inadequate insulation. Gaps between materials form over time – mostly due to a loss in roof rigidity in older systems. If your conservatory has a glass or polycarbonate roof, it's probably not as efficient as it could be and you may even have noticed a draught from the roof.

The Leka Roof is a solid construction and insulated like the roof on your house. This is much better for temperature regulation, thermal efficiency – and the money in your pocket.







# Leka orangeries

Our orangery flat  
roof kit replaces your  
existing roof with a  
lightweight system

The Leka System has been approved by JHAI, the licenced building inspector and is proven to outperform and outlast most traditional materials used in flat roof installations.

It is a unique orangery flat roof system, lightweight and corrosion-free with amazing span capabilities. Not to mention the thermal efficiency benefits.

It has been designed to replace most roofs including fibreglass, traditional build, glass or polycarbonate accomodating any design or layout.







# Designed for home owners

The orangery kit is engineered for homeowners and built for the trade.

If you're looking to upgrade, replace or convert an orangery roof, our roof conversion kit is up to 40% lighter than competitor products. The cutting-edge roofing system of choice for many installation companies and homeowners because of this.

When only the very best will do, Leka delivers.

# Engineered for installers

Incredibly lightweight, easy to install and complies with building regulation U-values. There are no aluminium or timber components in the build.

The Leka System is built from four simple ladder kits made from GRP (glass reinforced plastic).







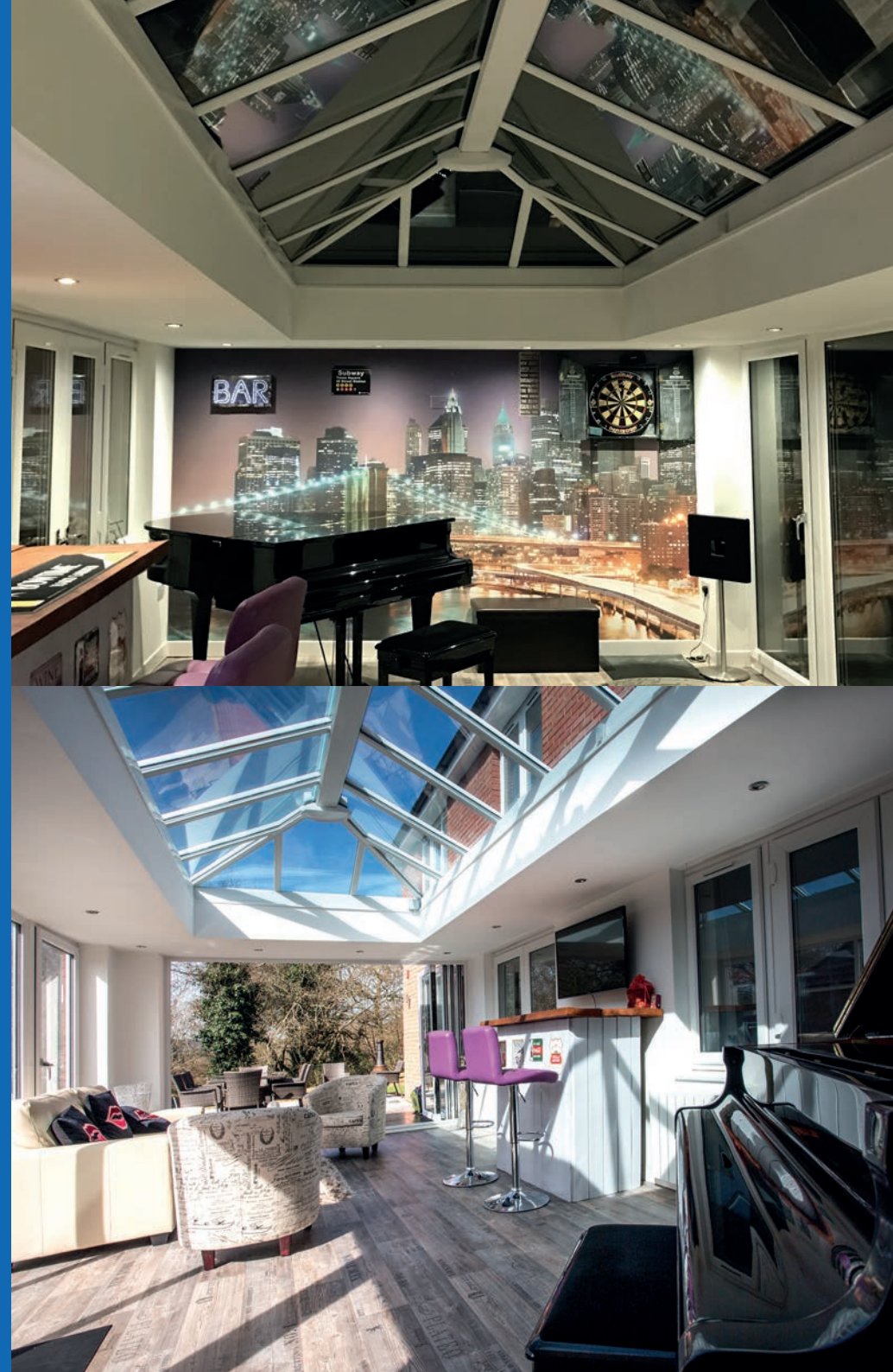


# Leka bespoke orangery interiors

Allow your garden or home to be more a part of your property's conservatory/orangery.

A Leka orangery can be suited to most applications and create a fantastic addition to your living space for whatever you require it for. Open up the frontage, or knock through into a kitchen creating open plan living. the choices are endless.

Speak with the team and find out just how a Leka orangery kit can create a grand dwelling at a cost effective price.

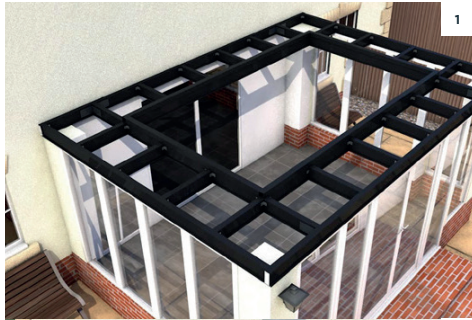




# Steps to the perfect orangery







### 1. Rafter ladders

Glass Reinforced Plastic (GRP) rafter ladders are added to your existing window frames. Unlike timber, GRP is not affected by woodworm or moisture absorption. Nor is it affected by condensation such as aluminium alternatives.



### 2. Insulation

Insulated PIR sheets are snugly fitted with a 15mm gap from the internal Leka sheets.

We only use market leading brands, providing high-value, BBA certified thermal efficiency achieving a better orangery roof insulation efficiency level.



### 3. Outer sheets

Strong, insulated, load-bearing outer sheets are added. Less roofing bars are needed and will deliver a higher efficiency.



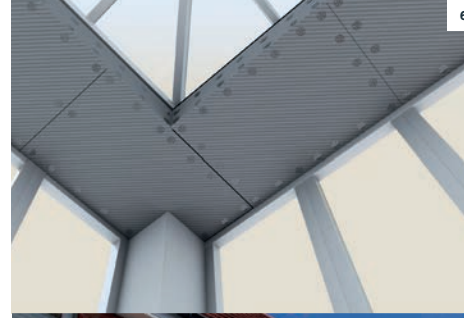
### 4. Weatherproofing

A weatherproof coating is applied by your installation company. This will provide final waterproofing along with a stylish finish, ensuring that your orangery roof is the ultimate in watertight insulation.



### 5. Lantern roof

A glass lantern is then lowered onto the current structure and fixed into place.



### 6. Internal sheets

Internal Leka sheets are added underneath the GRP rafters. 100% waterproof and only a third of the weight of plasterboard.

These sheets have unique thermal qualities as well, but allow for a traditional plaster skim finish ready for painting afterwards.



### 7. Finishing

Guttering and xxxxx will be the last xxxx. You can then start to furnish it just as you like.







# At night

Orangeries are the perfect space in the day. But, with the Leka style orangery, it's also a perfect space for the night

Whether it's for a late night dinner party or spending quality time with your loved ones.

Even in the coldest of the nights, the Leka orangery system will keep your living space at a regular temperature.

You can customise your space by choosing from a range of lighting options allowing you to set the right mood for any atmosphere. The surround spot-lighting which is optimised to cover every corner of the living space allows you to set the scene for any occasion.





# Leka Xi



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## The Leka Xi is the stylish modular alternative to traditional brick built extensions

To complete the Leka suite of products, the Leka Xi can provide a warm, sustainable alternative to a traditional block/brick built conservatory base/wall. Typically installed on concrete pads the Leka Xi saves time, mess and stress when considering a new conservatory or single storey extension.

The GRP cladding skins come in a range of colours and offer a sustainable replication of either real brick work, stone or timber. We can even supply external boarding, immediately ready for a plasterer to render directly to.

Typically a conservatory, including the Leka Xi base/wall system, as well as a Leka roof, are installed in days – not weeks. No thermal bridging or moisture absorption due to our GRP lightweight, structurally sound frame work. Thermally efficient to building regulation standards

Highly engineered, pre-fabricated modular sections, creating comfort that every part of the Xi has been factory tested before delivery. The Xi revolutionises the building market and provides homeowners with multiple benefits.









# Leka Xi

## Features and benefits



Authentic GRP skins create a quick, clean alternative to traditional brick work

Choose from a range of brick styles. Ask your representative about further choices of external finish.



Installed in days, not weeks

No heavy excavation work – less disruption

Ability to render onsite, creating total flexibility



Superior thermal efficiency

Cost effective solution

Building control compliant

Ideal for homeowners with limited rear property access



Precision engineered modular sections

Dwarf walls, full walls or a combination

No maintenance & authentic range of brick-colour GRP clad skins

Lifelike GRP timber clad skins also available

A choice of lightweight roof systems available



# Testimonials

## HOME OWNER

"Already loads warmer in the conservatory and can't wait to move furniture back in. Will provide us with what we wanted, turning a 6 months use a year conservatory, into a year round garden room! Thank You"

**Mr Morgan**

## HOME OWNER

"With no aluminium or timber elements, we can see how the system can provide better future proofing and a longer lifespan for conservatory customers across the UK"

**Mr Cook**

## HOME OWNER

"Leka Systems from a Architectural design view looks fantastic. A great alternative to a traditional conservatory roof which makes a more versatile room. Having worked with the company before we can highly recommend their services"

**Robert Collins**  
*BSc (Hons) Arch. Tech*

## INDUSTRY EXPERT

"I probably inspect and survey 200 to 250 properties a year, many of which have conservatories, often with plastic cellular roofs. In winter they haemorrhage heat, and in the summer can be unbearably hot. Some leak. The Leka System will seamlessly allow adaptation of an existing conservatory to provide a well insulated, and usable sun-lounge, without the need for full demolition and removal of the existing superstructure, resulting in considerable savings to the home owner. It really is an excellent concept'.

**Tim Davies**  
*BSc (Hons)*

## INDUSTRY EXPERT

"We were introduced to the Leka system in 2015 and immediately knew the market would find it hard to ignore such an innovative system. With this in mind, we made an executive decision to be the chosen fabricator of choice within our region and to adopt the system into our product portfolio. This simply was too much of an opportunity to pass by as we are truly amazed by the innovation of product layers running throughout this system".

**Mr David Buries and Heidi Sachs**

## HOME OWNER

"The new roof has completely changed how we use our conservatory. Instead of being too hot in summer and too cold in winter we are now able to use it all year round. Along with our new bifold doors it has meant we have been able to sit and enjoy our garden far more this summer than ever before. Thank you so much!"

**Mr and Mrs Beccles**

## HOME OWNER

"The benefits are far superior than what we had expected. Good service and excellent workmanship to complement such a fantastic product in the Leka System. We now have a conservatory that is usable again and have already recommended this to our friends/family".

**Mr and Mrs Jones**

## HOME OWNER

After careful consideration and reviewing a number of solid roof products on the market ..... we are so glad we chose the Leka System. We now actually use the conservatory more than the house and the workmanship of the installation company was second to none.

**Mr and Mrs Williams**

## HOME OWNER

"A great service from start to finish. Very pleased with the new Leka system conservatory roof and would highly recommend this solid roof".

**Mr and Mrs Crossen**



# Certification and regulations

**At Leka systems, the entire team aims to deliver outstanding customer satisfaction as well as the most technological development in the conservatory roof conversion market for over 25 years.**

With this in mind we only affiliate ourselves with the very best and most respected consumer organisations and industry related certification bodies the UK has to offer. Satisfaction with Your conservatory roof conversion is our priority.

Below you will gain knowledge of whom we are affiliated with as well as to which certification bodies have assessed, checked and certified our product as being as advanced as we detail in our website to make your conservatory roof conversion move successful.



JHAI take their responsibilities to their clients seriously – they also know that they are trusted with professional reputations and lifetime investments. Their promise to you is that whether you are a multi-national developer or a one-person self-builder, Jhai will do everything they can to provide you with the best, most efficient and cost-effective Building Control service possible.

Leka is proud to have undergone a lengthy in-depth assessment of not only our system, but our policies and training packages to ensure that all our structural details are accurate and that all of our condensation risk analysis reports, alongside our U value calculations are correct and up to date. With this in mind the Leka System is a fully approved registered system and only a certified installer should install a Leka System.

## Building Regulations

A conversion to a solid conservatory roof always requires building control sign off. For a conversion to be signed off, it needs to comply with building regulations. This is the case for the Leka Roof and every other solid roof system. However, there is a difference with our system, and that is the Leka Roof is JHAI certified. This means you do not need to engage local building control. The Leka Roof is certified by Jhai Ltd, the Approved Inspector for building control licensed by the Government.

The Leka Roof has been fully tested and assessed by JHAI and determined to be fully compliant with Building Regulation requirements, which means you do not need to engage local building control for 'sign off' before commencing with building work. JHAI will issue a Building Certificate after the work has been completed and checked. This is proof of compliance. Your installer will take care of this for you.



## What about LABC approval?

JHAI Certification is superior to LABC (Local Authority Building Control) approval because it renders a system exempt from local building control approval and involvement. Roofing systems with just LABC approval are not exempt and still require local building control involvement, which means they require a certificate from local building control as sign off, which can slow the build down.

With the Leka Roof, JHAI will sign off your installation. This speeds up the build time because the system itself has already been certified by JHAI to be compliant with the latest building regulations; therefore, JHAI will only need to sign off your specific installation. This simplified process speeds everything up.

We are extremely proud the Leka Roof is certified by JHAI. Very few other roofing systems are JHAI certified. Not only does this certification offer complete peace of mind your installation complies with building regulations (and is therefore a quality installation), but it means your conversion can be fast-tracked through building applications wherever relevant, if, for example, you want to convert from conservatory to extension.



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Use only the best materials:

