



# Prefix **WARM**roof®

AWARD WINNING SOLID ROOF SYSTEM

# WARMROOF BY NAME & DESIGN

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The Prefix WARMroof® system is the most configurable and structurally robust, insulated and tiled roof in the UK market. Whether you are looking to replace an existing conservatory roof or build a brand new extension, our WARMroof technology underpins the design in each of our roofs to ensure they offer the very highest levels of thermal efficiency.

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As homeowners, we all face the challenge of adding valuable living space to our homes and up until now we have had the choice of a conventional extension or a conservatory. But what about the combination of the two, giving you the best of both worlds?

This award-winning, solid, tiled roof will give your home a robust extension feel with the light & airy environment of a conservatory providing a living space you can enjoy all year round. A true 'warm roof' system, the Prefix WARMroof® provides the ideal solution to the most common conservatory problem of being too hot in the summer months and too cold in the winter. There is also the option to add Velux roof lights or even a fixed 28mm or 44mm glazed panel into the roof for even more light.





## STUNNING EXTERIORS

**From the outside, it's not hard to see why the Prefix WARMroof® was voted the Best Solid Roof.**

Whether it's a new addition to your home or part of a conservatory refurbishment, the Prefix WARMroof® is designed to incorporate the features of the main house in terms of brickwork, roof tile colour and even roofing pitch, much like a traditional extension. There is a choice of 3 stock tiles which come with either a 25 or 40 year warranty giving you complete peace of mind and the system is also structurally proven to accommodate traditional slate, clay or concrete tiles to match your home.

The Prefix WARMroof® has been engineered and tested to meet all building regulation requirements and is fully guaranteed for 10 years. You might also wish to consider adding aluminium bi-folding or sliding doors to your Prefix WARMroof® opening up your room to the outdoors or even a Verandah to create a sheltered patio area. Whatever you have in mind, our team are available to offer the best guidance and advice before purchasing your new Prefix WARMroof®.



# LUXURY INTERIORS

Adding a Prefix WARMroof® will instantly provide a luxurious, comfortable and enjoyable space for you to relax in all year round - whatever the weather. Thanks to its superior technology, this award-winning true 'warm roof' system is fully energy efficient and can achieve U values as low as 0.13 whilst our standard roof specification can achieve 0.15 U value without the need for insulated plasterboard. Therefore the Prefix WARMroof® conforms to the new building regulation changes for both refurbishment and new build installations and also help to reduce heating bills.

If you are worried about losing light, don't be; you have the option to specify the Prefix WARMroof® Hybrid which features 28mm double or 44mm triple glazed panels which blends seamlessly with the roof. You can also choose to add Velux rooflights for additional light and ventilation. On gable designs over 4 metres, a timber tie strut will be specified as standard for structural purposes, although in some instances we are able to use an eaves tie if you'd prefer it to be hidden.

With the addition of an internal pelmet detail, not only will your extended living space feel more homely, you will also have the option to add down-lighters, speakers or affix blinds and curtains to really make your new living space part of your home.



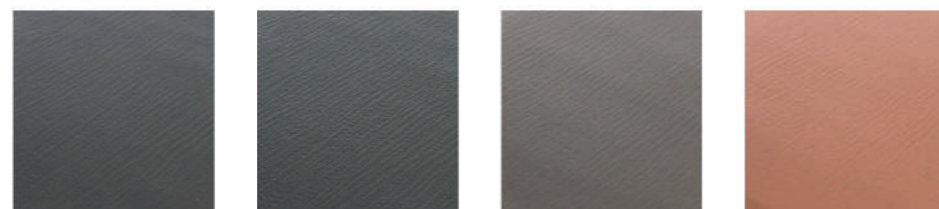


# TILE OPTIONS

When it comes to the external appearance of your new room, we can offer you a wide range of tile and slate finishes in terms of colour and texture. The Prefix WARMroof® is even structurally proven to take concrete, clay and slate tiles to match your existing roof. We have 3 stock tile options; Envirotile, Britmet or TapcoSlate tile, both of which are BBA certified and come with their own warranty giving you complete peace of mind.

## ENVIROTILE

A flat, precision manufactured, recycled polymer, lightweight roof tile with excellent green credentials. This lightweight roof tile is extremely simple to fix yet performs exceptionally, locking into adjacent tiles to form a fully integrated roof covering. Envirotile is 80% lighter than concrete roof tile, is low maintenance, virtually unbreakable and manufactured in the UK. It is available in a choice of 4 colours and comes with a 25 year warranty.



Anthracite Black      Slate Grey      Dark Brown      Terracotta

Request to see samples swatches of our tiles & colours

## BRITMET

Britmet's Liteslate is an innovative synthetic slate roofing tile made from 90% recycled polymers with all the characteristics you can expect from a traditional slate tile. Liteslate offers an authentic finish with riven edges, traditional colour choices and impeccable durability. Unlike natural slate, as a synthetic slate roofing tile, Liteslate won't crack, break, chip or delaminate due to its ground-breaking design and cutting-edge manufacturing process. Furthermore, the Liteslate is designed with the environment in mind. Over 90% of the Polymers that Liteslate is made from are recycled. Available in 7 colour finishes with a 40 year guarantee against weather penetration.



Charcoal      Ash      Slate Grey      Amethyst      Oak      Sunshine      Sunset

## TAPCO

TapcoSlate tiles are authentically shaped with textured surfaces and riven edges moulded from authentic slates that make them indistinguishable from natural slate. It is made from a recyclable blend of limestone and polypropylene. TapcoSlate tiles will not crack, break or delaminate, and its product formulation and manufacturing processes provide durability, performance, and longevity for many years. The TapcoSlate tiles come with a 40 year warranty and 5 standard colours as well as 9 alternative colours.



Stone Black      Pewter Grey      Plum      Chestnut Brown      Brick Red



Victorian



Lean-to



Edwardian or Georgian



Gable



P Shape



T Shape

## STYLE OPTIONS

The Prefix WARMroof® is designed to accommodate all existing conservatory roof styles as these are more complex than typical traditional extension roofs. Therefore to date, we haven't had a roof design that is beyond the scope of the roof's capabilities. No matter what shape or style of conservatory you have, there is a Prefix WARMroof® for you & your design aspirations.

**Our system is the most configurable solid, tiled roof in the UK market.**

We can offer extreme pitches, offset ridges, variable pitch differences for hip & ridges, an internal pelmet with variable depths & out-of-square designs which other solid roof systems cannot do.



Gable



Hipped Lean-to

# WARMROOF HYBRID

If you're worried about losing the amount of light that floods into your room when adding a solid roof, don't be. The Prefix WARMroof® Hybrid option allows you to retain an element of light within the room yet keep the thermal efficiency due to the 28mm double (or 44mm tripled glazed units that provide a 0.6 U-Value).

The WARMroof Hybrid system has a plastered finish internally which provides a simplistic and contemporary finish where the glass panels are positioned. The plaster detail also allows you to personalise your finish by painting up to the glass to match your interiors.

The option for painting will also match in with our standard Velux rooflight which is offered in a white painted finish, meaning you can mix and match fixed and opening rooflights for added ventilation. Thermal properties are not compromised using our standard plastered finish, resulting in clean lines and unrivalled thermal performance whilst always maximising the light into your new living space.



# CASE STUDY 1

**When British Olympic Gold Medallist Dame Laura Kenny DBE & her husband Sir Jason Kenny CBE first purchased their home in Feb 2019, it already had a large wooden conservatory attached to it but they soon realised it was in desperate need of some TLC due to the bad leaking and extreme temperatures in the warmer months.**

As with many older, poorly designed conservatories, the roof panels had moved and formed gaps which in heavy rainfall meant it leaked quite heavily. When Laura and Jason decided they needed to refurbish the conservatory, they knew they wanted a solid 'real' roof. The benefits of the WARMroof structure were explained to Laura and Jason, who were suitably impressed with the system and could easily see the potential "We felt confident in the WARMroof product, so we decided to go ahead" Laura commented.

Laura & Jason were used to the light and airy environment of their old conservatory so it was important to keep an element of light in their new room. They chose to have 4 Velux rooflights installed not only for light but so they could open them for increased ventilation.

The whole process of refurbishing their conservatory was described by Laura as 'quick & easy'. The WARMroof arrived at their house neatly palletised with watertight protective packaging and due to high levels of pre-fabrication done at manufacturing stage, the initial build wasn't disruptive and there was minimal mess on site.

Overall, Laura and Jason love their newly refurbished WARMroof conservatory which has provided them with a liveable space for their family to enjoy, also forming part of their kitchen to provide dining space for family meals and entertaining. Laura commented: "We would definitely recommend the WARMroof system as it's provided such a great living space for us to enjoy. It is much cooler in the warmer months whereas it used to be unbearable and it now feels like a proper room and a real part of the house - plus it is much quieter than our old conservatory."

**"We would definitely recommend the WARMroof system as it's provided such a great living space for us to enjoy. It is much cooler in the warmer months whereas it used to be unbearable and it now feels like a proper room and a real part of the house."**

Dame Laura Kenny DBE





## CASE STUDY 2

Steve & Donna purchased their bungalow in May 2015 and it was actually the conservatory space that sold it to them as they knew it was a space they would use. Despite the conservatory being a family room for dining and socialising, they realised quite quickly that during the winter months, the conservatory was hard to heat even though they had 2 radiators and entertaining was always cut short during the colder months. The conservatory also suffered from condensation and there was a lack of light due to no fitted lighting. In the summer, the heat was unbearable and at times made it difficult to eat at the dining table. Cleaning the conservatory roof also became more difficult with the frame starting to discolour and after only 5 years of living with the conservatory, they started to experience a number of leaks within the panel seals.

Once they started their research, it was soon decided they didn't want to replace the glass with another glass roof and that a solid roof would be their preference. The Prefix WARMroof® came up when searching online and within a couple of days an installer had made contact and arranged a site visit. Steve & Donna chose the Prefix WARMroof® after initially being impressed with the aesthetics and furthermore the quality. They compared the system to other solid roof systems and felt the insulation of the Prefix WARMroof® would give them the warmth they needed. They were also impressed with its award winning status and the ease of the installation.

Choosing the WARMroof Hybrid was essential for them as going from a full glazed roof to a solid roof, they were concerned they would lose a lot of light and not be able to see outside (the main two things they loved about their conservatory). They chose the TapcoSlate tile as they liked the size of the tile and it matched their existing roof providing the appearance of traditional slate.

Their newly refurbished conservatory is still a dining/family room however, they can now enjoy this living space all year round. They have already experienced a cooler, more liveable environment during the warmer months.

Steve and Donna are very happy with their Prefix WARMroof® describing the room as 'outstanding' and that the look and ease of fitting have to be the two main factors they were most impressed with. "We felt it was great value for money and has added value to our property."

**We are very happy with our newly refurbished conservatory - the room is outstanding. The best part is the glass panels as it gives the roof a 'wow factor' and does exactly what we wanted it to by adding light into our living space.**

Donna, Cardiff



# WHY PREFIX WARMROOF®?

- **Award Winning!** Voted **Best Solid Roof System** at the Conservatory & Orangery Awards ✓
- The UK's most configurable and structurally robust, insulated and tiled roof ✓
- Designed using the modern and accepted best method of 'warm roof' construction ✓
- Fully guaranteed for 10 years with the tiles carrying either a 25 or 40 year warranty ✓
- Choice of 3 tiles, yet it is structurally tested to take concrete, clay or slate tiles ✓
- Fully compliant with Building Regulations throughout the UK and Scotland ✓
- Thermal insulation of 0.15 W/m<sup>2</sup>K ✓
- Quick installation meaning less disruption to your home ✓
- We only use Velux rooflights - a quality brand you can recognise and trust ✓
- No more cleaning of dirty roofs and reduced noise from rain, wind and wildlife ✓
- WARMroof is designed and manufactured by Prefix Systems who have 25 years experience in fabricating conservatory roofs for the home improvement sector ✓

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Our WARMroof construction is a **true warm roof system** and has many benefits over a traditional 'cold roof'. It is essentially a 'breathable roof construction' which allows moisture to escape, in turn preventing damp and any other decay problems. It is thermally efficient, cost effective and commonly accepted as the best roof construction option for our climate within the UK and Scotland. A true 'warm roof' construction increases the effectiveness of the insulation and prevents warm air leakage from the building into the roof space. The insulation in the Prefix WARMroof® system is 167mm thick overall with 70mm sat above the roof structure meaning the rafters are insulated providing a true 'warm' roof. It is the only system to be insulated at the eaves which prevents condensation.

*Ask!* When doing your research on solid roofs, always check it's a **TRUE warm roof system**



# STRUCTURE





# BUILDING REGULATIONS

'Building regulation certification' is probably a phrase you have come across when looking into conservatory refurbishments, particularly if you're looking to replace your glass or polycarbonate roof with a solid, tiled roof. Building Regulations are there to protect you, the homeowner, to ensure any building works and products used conform to the latest performance and safety standards. Specifying the correct products for your project are an important consideration, if standards are not met your local authority could make you pay for faulty work to be fixed and without approval you will not have the certificates of compliance you may need when you want to sell your home. You should also beware of companies trying to promote clad over under roofs, they will not be covered by building control - read more on page 23.

From June 2022, there was some important changes made to the thermal requirements for home extensions and replacement tiled roofs.

The Prefix WARMroof® conforms to the new Building Control changes, is a true 'warm roof' construction and can achieve U values as low as 0.13 whilst, our standard roof specification can achieve 0.15 U value without the need for insulated plasterboard and unsightly add-ons. Therefore, the Prefix WARMroof® conforms and surpasses the new building regulation changes for refurbishment of existing conservatories. It is also the ONLY 'warm roof' system that is able to accommodate an upgrade to triple glazing in the WARMroof Hybrid, providing superior thermal values over any other warm roof system available.

The system has also undergone rigorous independent analysis both thermally and structurally in order to ensure conformity to UK building regulation. Prefix WARMroof® has obtained approval certification from LABC and independent building control inspectorate JHAI, taking the hassle out and speeding up the application process.

You as the homeowner can rest assured that the Prefix WARMroof® is fit for purpose in any location and will stand to meet the test of time to deliver unrivalled technical performance.

**LABC/LABSS** - (Local Authority Building Control) are independent, impartial and not for profit. This public service building control is committed to safeguarding the safety and protection of communities across England and Wales. LABSS is the Local Authority Building Standards for Scotland.

**JHAI** - JHAI Ltd is an approved inspector, licensed every five years by the government - via the Construction Industry Council (CIC) - to carry out building regulations approvals (Building Control) as an alternative to Local Authorities.

## **BEWARE OF CLAD OVERS!**

Some companies have started to offer 'clad over roofs' which means they are doing little more than fixing basic timber and plasterboard to the inside of a conservatory and low-grade tiles to the outside to replicate the feel of a solid roof, with failures happening literally within weeks.

There are many dangers to clad-over roofs that homeowners need to be aware of. First and foremost, the fundamental importance of the structural performance of a conservatory needs to be considered. The roof and frame structure is designed only to take the weight of the current glazing material and any additional loads imposed by wind and snow in that geographical location; it will not have been designed to carry the additional loads imposed when fixing timber, plasterboard, plaster and roof tiles to the existing structure.

In addition, the base and foundations need properly assessing to ensure they are sufficiently constructed to take the additional loads. The clad-over roof construction will also trap air in the voids in the roof structure which will heat and cool with the seasons. This will cause condensation and heat build-up as the seasons come and go. The best-case scenario is potential water ingress causing a leaking roof; the worst-case is a full roof failure with the resulting collapse causing damage not only to the house but potentially to the homeowners too.

**Specifying the Prefix WARMroof® removes this uncertainty; when used in conjunction with our Retrofit posts you can have peace of mind knowing that the loads from the new roof can be safely transferred down through to the base without the risk of the existing frames failing. See page 20 for more info on Retrofit posts.**



## PEACE OF MIND

Before you decide on a tiled roof, you probably have some questions. Here are some of the most frequently asked questions with answers for full reassurance when choosing the Prefix WARMroof®

**Q. How will the Prefix WARMroof® keep my conservatory cool in the summer but warm in the winter?**

A: The Prefix WARMroof® system offers the only true 'warm roof' construction in the solid, insulated and tiled roofing sector. The insulation sits above the roof structure and therefore eliminates any cold bridge between the rafters and roof covering keeping the cold air out in winter months and in turn in summer, prevents excessive heat build-up within the room creating the perfect all year round environment.

**Q. Will my existing conservatory be able to take the weight of the Prefix WARMroof®?**

A: The Prefix WARMroof® is extremely lightweight and approximately weighs 53kg/m<sup>2</sup>, it's also extremely strong and capable of withstanding a maximum snow load of 0.8kN/m<sup>2</sup>, making it suitable for installations anywhere in mainland UK. There's also the option for retro fit posts (see page 20), designed to strengthen existing side frames for older conservatories and they can be used when the side frames are deemed insufficient for supporting the new glass or tiled roof. Your installer will advise you when additional support is required.

**Q. Can I use a natural slate, clay or concrete tile to match my existing house roof?**

A: Yes you can! The Prefix WARMroof® is the only tiled conservatory roof replacement system that can cater for any roof finish.

**Q. Will I need to apply for Building Regulations for the new roof?**

A: The Prefix WARMroof® system carries LABC, LABSS & JHAI Ltd certification, this means the WARMroof system is Building Control compliant throughout the UK & Scotland. We would advise that you contact your local authority to seek their advice on your particular project. Your installer can help and assist with this process.

**Q. I'm worried the room will look dark if I add a solid roof, how can I retain the light?**

A: Adding a solid roof surprisingly doesn't make the room underneath much darker once plastered and painted. There is the option to add Velux rooflights into the roof for additional light and ventilation and to really maximise natural light, you can add double or triple glazed panels (as shown on page 12). Adding an internal pelmet also allows for downlights to be installed so you can add lighting to the inside of the room.

**Q. How long will the new roof take to be installed?**

A: Every project is different, but typically new roofs will be watertight within the first day of install although this will vary depending on size and complexity. All the roofs are pre-assembled at manufacturing stage before being delivered to site to ensure their accuracy and quality. This approach results in minimal disruption to your home & garden and you could be enjoying your new room within a few days of the installation commencing.

# RELAX, WE'RE THE EXPERTS

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If you're interested in a Prefix WARMroof®, we can provide expert advice, whether it's for a replacement roof, an existing conservatory or for a newly installed home extension.

Every roof is manufactured to your bespoke requirements providing a completely tailored design just for you. We believe that the unique WARMroof technology will completely re-define the way we look at adding valuable and stylish living space to our homes. It is the perfect choice for homeowners who are looking to add a solid roof to their extended living space.

**Speak to us today about adding an Award Winning Prefix WARMroof® to your home.**

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