



Guardian
Warm Roof



**Conservatory warm roof
conversion system**





IS YOUR EXISTING CONSERVATORY ROOF:

- Too hot in summer or too cold in winter?
- Waste of valuable living space?
- Unable to relax to watch TV?



Transform your conservatory into a comfortable, all year round living space...



...WITH THE GUARDIAN WARM ROOF CONVERSION SYSTEM:

- High performance insulated warm roof conversion system
- Lightweight aluminium frame
- Provides energy cost savings
- Reduces rain noise and glare

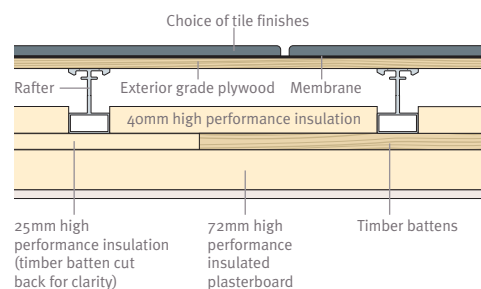
The Guardian Warm Roof System is the biggest revelation to hit the home improvement market in the last ten years. You can now change your old conservatory roof for a new Guardian Roof and effectively turn your old conservatory into a new extension that can be used all year round. The complete changeover takes only three days with very minimal disruption to your household.

The Roof System is designed to replace the existing glass or polycarb roof of a conservatory while retaining the original windows, doors, frames and walls. At the same time providing substantial energy cost savings.

Fully tested and approved to all thermal and structural standards, the Guardian system is a high performance insulated roof system comprising of a pre-engineered lightweight frame, two layers of rigid insulation board, internal insulated plasterboard, exterior grade plywood, vapour membrane and a choice of external tile finishes.



Guardian warm roof construction





With planning consent, **internal dividing doors or walls can be removed** to provide a permanent extension to your living room, kitchen, etc.

THE AFFORDABLE GUARDIAN WARM ROOF CONVERSION SYSTEM



LABC Registered (minimise building control checks & approval process)



Reduced fuel bills for the life of the roof



Comfortable ambient temperature all year round



A wide range of roof colours and finishes available



Achieves a U-value of 0.18 (England & Wales) and 0.15 (Scotland)



Thermal, structural and condensation risk tested



Fast installation utilising existing walls, windows and doors via our **nationwide installer network**



Fully guaranteed

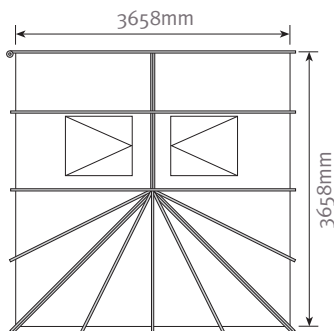
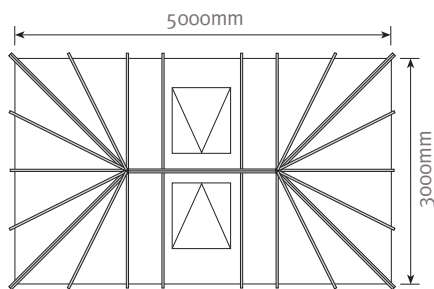

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Roof design options

Guardian roof provide standard warm roof solutions for existing conservatory roof design. Bespoke solutions also available.

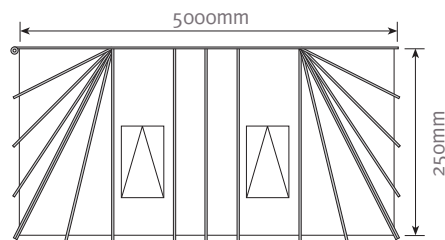
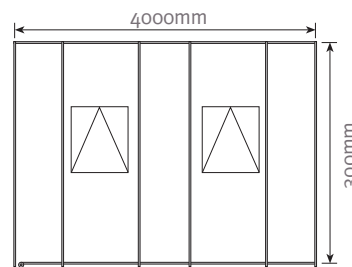
Edwardian

The Classic Sunroom shape. Together with attractive roof windows the Edwardian Guardian Roof is the traditional safe bet for styling and convenience. The Edwardian shape also helps to maximise the room space below. The roof is very sympathetic to all house styles as its ridge is so versatile, it can also be the perfect solution to a Bungalow extension.



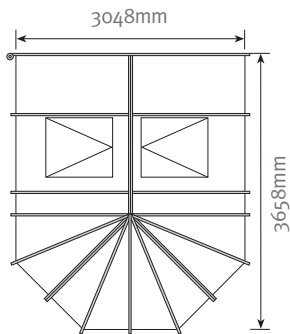
Lean-to

The Guardian Lean-To is ideal to maximise space at the back of the house. The ends can either have one or two hips (slopes). It is ideal for kitchen extensions and can go as low as 15 Degrees with roof windows.



Victorian

The Victorian roof can also work really well when you might not have as much space in the garden as you would like. The internal plaster finish on the roof can look really attractive with its facet front finish.



Gable ended

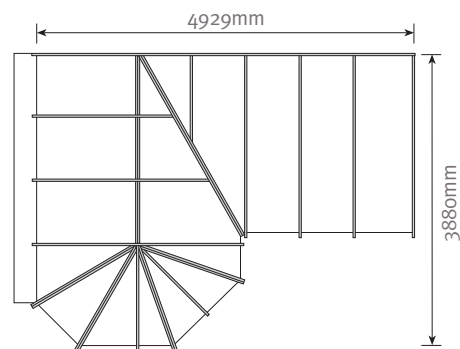
The gable ended main feature is its continuous height it brings to the room owing to its long ridge down the centre. The gable also allows you to get the most from your roof windows giving you a light and airy space. Suitable for replacement or new build.



Combination

Increase your options with a combination Guardian Sunroom. A P-Shape simply combines the benefits of two different styles to maximise your living environment. The combination can also come in what you call a T-shape.

As individual as you are.



What you need to know

The Guardian Warm Roof Conversion System has been designed to provide a high performance thermal and structural solution with zero condensation risk over the life of the roof.

Each of these elements has been fully tested and approved by independent industry experts to evaluate thermal performance, structural performance, condensation risk and quantify energy savings.

The Guardian roof best practice approach has enabled the Local Authority Building Control (LABC) to certify the Guardian Roof System as a LABC Registered System.

In some cases the Guardian roof conversion would be exempt if it was at ground level, does not exceed 30m² floor area, be thermally separated from the building it is attached to, have an independent heating system from the main building and have glazing that meets Part N in the critical zones.

However, Building Control approval should always be sought. But, with Guardian systems being LABC certified, this process should proceed without complication.

The Guardian Warm Roof Conversion System is fully compliant for use in a conventional situation such as an extension and has been fully approved by LABC for use as a full replacement conservatory roof.

With Building Control approval, Guardian high performance insulated roof conversions may allow the removal of the wall between the house and the conservatory, offering the flexibility to extend and enlarge an existing kitchen, living room or bedroom.

Please consult your installer for more details.

LABC approval

LABC REGISTERED SYSTEM

Registration No. RD320

Registered Detail: Guardian Roof

Company: Celuplast (NI) Ltd
Address: Waters Edge, Carrum Dock, Belfast, BT1 3BH

Description: Guardian Roof - Full replacement roof system for existing conservatory type buildings extensions. The system includes specific insulation and this registration applies to the roof only.

Valid until: 8th August 2013

Date: 8th August 2012
Signed on behalf of LABC: [Signature]
Assessed by Rotherham Metropolitan Borough Council under the LANTAG agreement

*With Limitation

RD Reference Number	RD320 Celuplast Ltd - Guardian Roof
Drawing Numbers	<ul style="list-style-type: none"> 2010-074 sheets 1-92 (Celuplast Edwardian Roof spans calculations) 2010-334 sheets 1-7 (Celuplast ridge spans calculations) 2010-374 sheets 1-11 (Celuplast ridge Spurs calculations) 2010-571 sheets 1-32 (Celuplast Victorian Roof spans calculations) CC30003 - 1 Thermal analysis of Guardian Roof
Supporting Documentation Reference Numbers	Approved Document 'A' Approved Document 'W' Approved Document 'L' (Relevant Calculations relating to Approved Document 'L')
Limitations of use	<p>Celuplast Ltd - Guardian Roof is a proprietary solid roof system to replace the existing translucent roof for a domestic conservatory. The roof system achieves the u value specified in table 2 of Approved Document 10. This registration applies to the roof only. If the former "conservatory" is no longer an exempt building due to not having a translucent roof then the following guidance should be followed:</p> <ul style="list-style-type: none"> Approved Document A: The existing structure will need to be assessed to ensure its adequacy for taking any additional loads and may include exploratory investigation of the existing construction. Approved Document W: There may be "conservatories" where the unprotected areas become excessive as a result of no longer being exempt. Approved Document W Volume 1, Section 9 should be consulted and the unprotected areas may have to be reduced in order to comply with the guidance of 64 for alternative guidance should be sought i.e. fire risk assessment). Approved Document L10 states that the amount of glazing allowed to an extension is 25% of the floor area. In order for this limitation not to apply, there should be: <ol style="list-style-type: none"> Effective thermal separation between the dwelling and former "conservatory", Independent temperature and airflow controls to any heating systems installed within the former "conservatory". If the thermal separation is removed then the amount of glazing in the former "conservatory" should be reduced to less than 25% of the floor area and the glazing should achieve a U-value 1.0W/m² K. Alternatively heat loss calculations may be used. <p>Refer to technical guidance Note M66X1041 Application of Part 1 to Conservatories attached to existing dwellings.</p>
Advice Notes	Climatic Condition Details e.g. wind speeds, height above sea level, exposure, etc.

LABC REGISTERED DETAILS DRAWING AND DOCUMENT LIST

is registered

Guard

valid until
7th August 2013

Paul Folwell
LABC Chief Executive

Paul Everett IOL
LABC Chief Executive

7 August 2012

clm

*With limitation
LABC is a trading name

The Guardian Service Package

Building work of any kind can be a daunting process. The Guardian Service Package manages the roof conversion you want. We will manage your project through a seamless process from your original enquiry, through planning and building control approval, to the final installation.

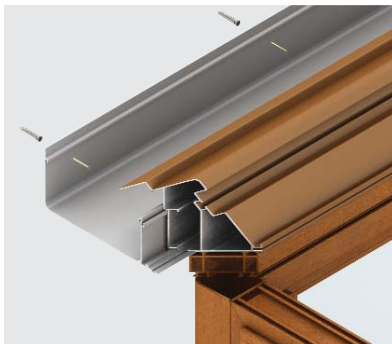


5 Weeks

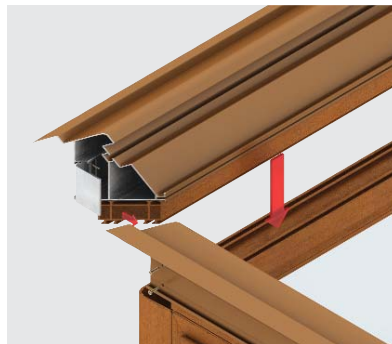
Transform your living environment in twelve simple steps



Remove existing glass roof.
Replace with Guardian warm
roof ring beam.



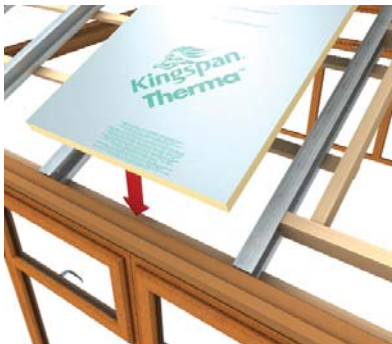
Fix box gutter to existing wall



Fix ringbeam to existing windows



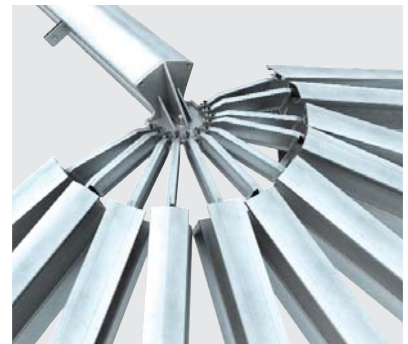
Fix rafters to ringbeam



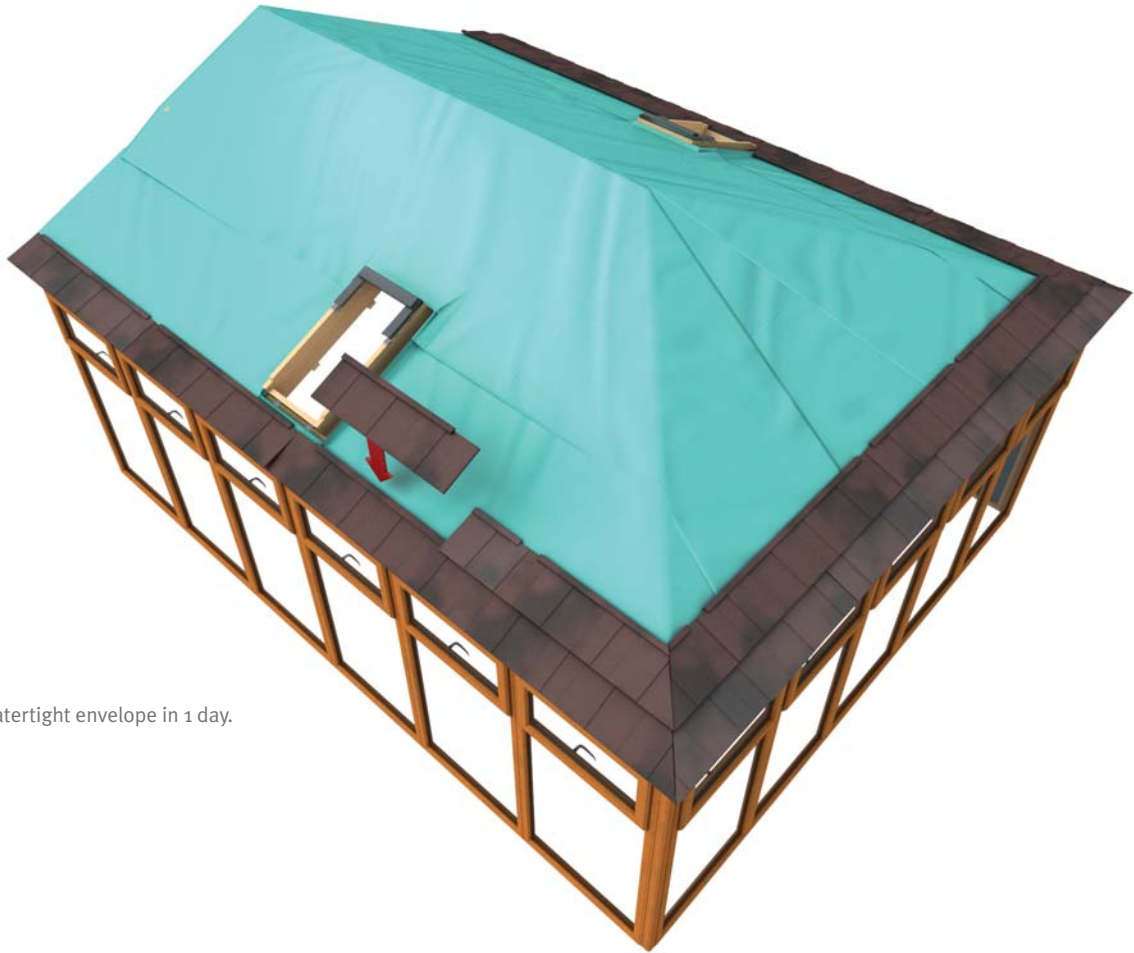
Install external insulation



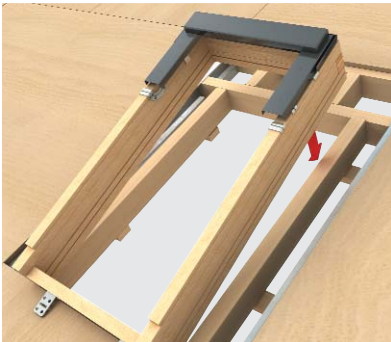
Edwardian conservatory



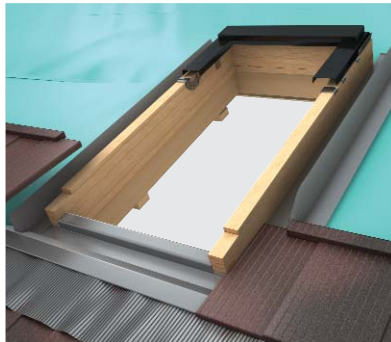
Victorian conservatory option



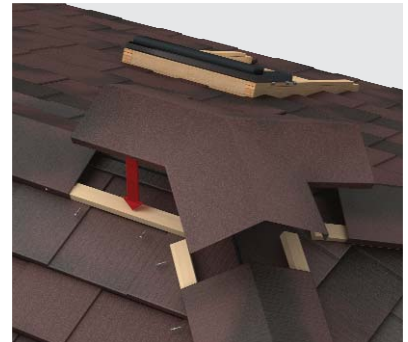
Watertight envelope in 1 day.



Install roof window frame



Install roof window



Fix rafter cap and ridge



Install insulation between batten



Fit gutter



Plaster ceiling

Gallery







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