



Conservatory Warm Roof Conversion System



Warm your conservatory comfortable, all year living space...

Guardian™ Warm Roof Conversion System:

Insulated warm roof conversion system | Lightweight aluminium frame
Roofs | Reduces rain noise and glare



**Roof System is the biggest
the home improvement
in ten years.**

**Replace your old conservatory roof
and effectively turn your
space into a new extension that can
be used. The complete makeover
with very minimal disruption**

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.


▶ **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 Approval
(Building control England & Wales)

 LABSS Approval
(Building control Scotland)

 Reduced fuel bills for
the life of the roof

 Comfortable ambient
temperature all year round

 A wide range of roof
colours & finishes available

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

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

 Thermal, structural and
condensation risk tested

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1 Choice of tile finishes

2 Membrane

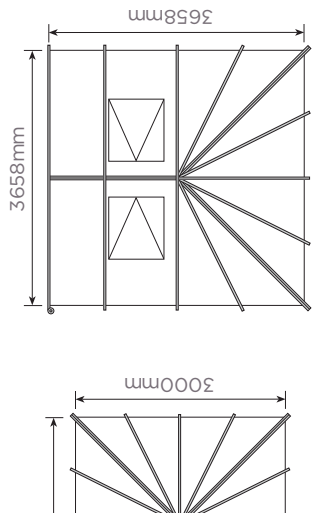
3 Exterior grade plywood

4 25mm high performance insulation (timber battens)

5 40mm high performance insulation

6 Timber battens

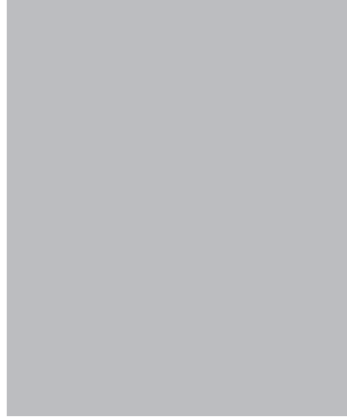
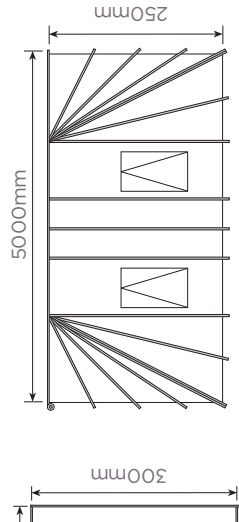
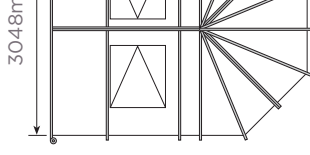
7 72mm high performance insulated plasterboard



shape. Together with attractive roof windows Guardian™ Roof is the traditional safe bet for styling Edwardian shape also helps to maximise the roof is very sympathetic to all house styles. In addition, it can also be the perfect solution to a

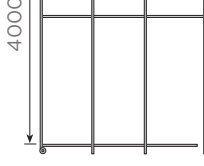
Victorian

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

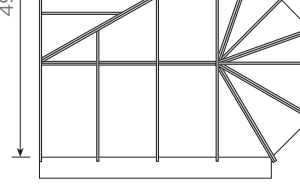
The gable ended main feature is its continuous height it brings to the room owing to its long ridge down the centre. The gable also allows you to get the most from your roof windows giving you a light and airy space. Suitable for replacement or new build.



Combination

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

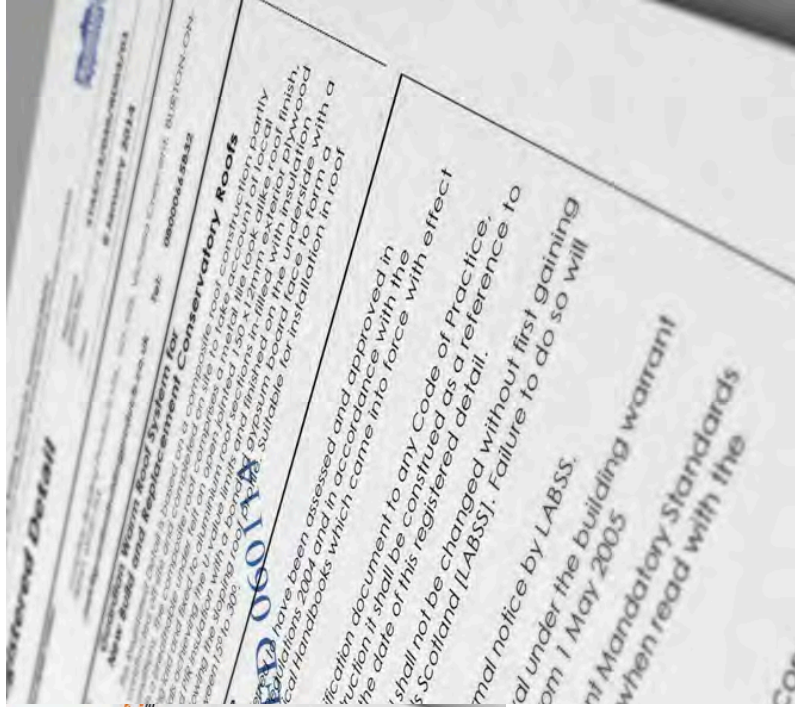
is ideal to maximise space at the back of an either have one or to hips (slopes). It is ions and can go as low as 15 Degrees with



▶ Structural analysis



▶ Kingspan thermal analysis
Kingspan Insulation cond



▶ LABSS Approval

... has been fully tested and ... industry experts to evaluate ... structural performance, ... quantify energy savings. ... best practice approach has ... Authority Building Control (LABC) ... an Roof System as a LABC ... ardian™ roof conversion would ... ground level, does not exceed ... thermally separated from the ... have an independent heating ... building and have glazing that ... cal 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.

▶ Aecom energy saving study

AECOM modelled a typical house with a standard "Victorian 12' x 12'" conservatory.

The conservatory was northward projecting with an electric heating system. A future energy price forecasts was accounted for under the "Green Stimulus" price forecast that yielded a saving of £5,447 after 25 years.

The key conclusion drawn from this evaluation is that the greatest benefits from installing the "Guardian™" roof are made when it is retrofitted, as a result of the greater difference between the U-values of the original roof and the new roof type.

Any of the above reports are available on request from Guardian™ Warm Roofs, please visit: www.abcell.co.uk

... kind can be a daunting process. The Guardian
the hassle-free way to achieve the roof conversion
manage your project and keep you informed at every
seamless process from your original enquiry, through
n to final installation and Certification.

111 EASY TO FOLLOW MULTIPLE STEPS

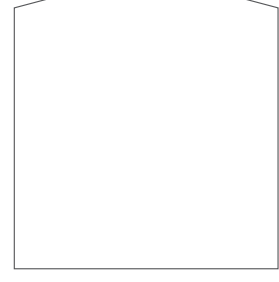


Certification

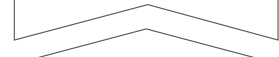
5 Weeks

Remove existing glass roof. Replace with Guardian™ Warm Roof ring beam

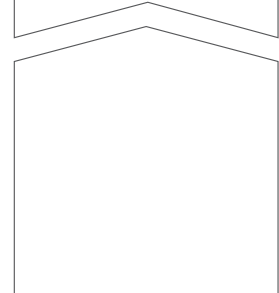
Watertight envelope in 1 day



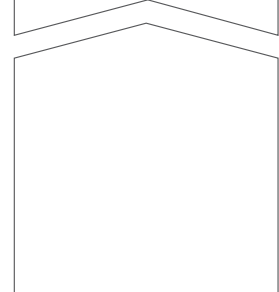
Fix box gutter to existing wall



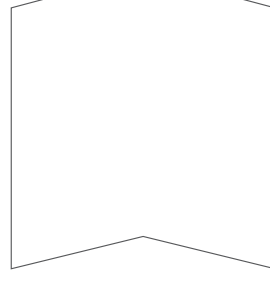
Fix ring beam to existing windows



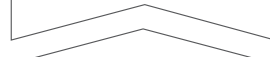
Fix rafters to ring beam



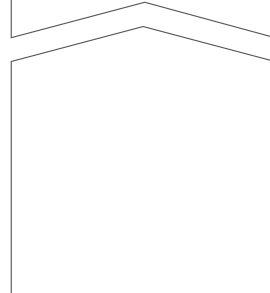
Install external



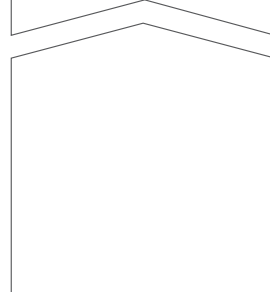
Edwardian conservatory



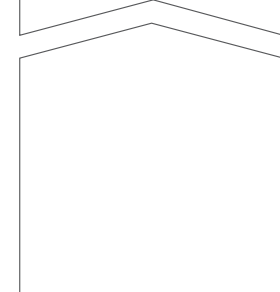
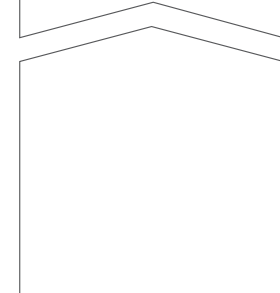
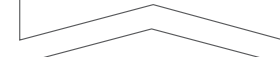
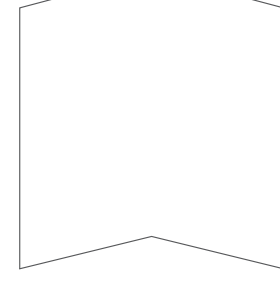
Victorian conservatory option



Install roof window frame



Install roof window



After



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