

Polar Insul-Roof

A SMART, LOWER COST WAY TO TRANSFORM YOUR CONSERVATORY



Information Guide



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Why Insulate Your Conservatory Roof?

Polar Insul-Roof

Insulating your Conservatory Roof with a **Polar Insul-Roof** is a cost effective and easy method to transform this space into a usable living area for all year round use.

Conservatories are renowned for being too hot in the summer and too cold in the winter. **Polar Insul-Roof** is the perfect solution!



Polar Insul-Roof is an internal conservatory roof insulation system installed from the inside of your existing roof.

The system works by:

- Installing timber battens to the existing roof structure
- Fitting specialist multi-layer conservatory insulation
- Re-battening to create airflow and fixing points
- Finishing with clean, modern internal cladding



Step 1 - Installing Battens

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Firstly, We install 25mm deep battens to the underside of the conservatories rafters / joists using our use our fast fix conservatory screws at 300mm intervals. We only use dry treated battens to enhance the lifespan of our product.



Step 2 - Install Insulation



We then move on to installing our insulation. We use YBS SuperQuilt which is a 19-layer Multifoil Insulation, with true aluminium outer layers. This is the highest performing fully certificated Multifoil on the market. It compresses to around 10mm and equates to around 80mm of Rigid Board Insulation, such as Celotex.

Accessories used in these steps are:



**FastFix
Conservatory Screws**



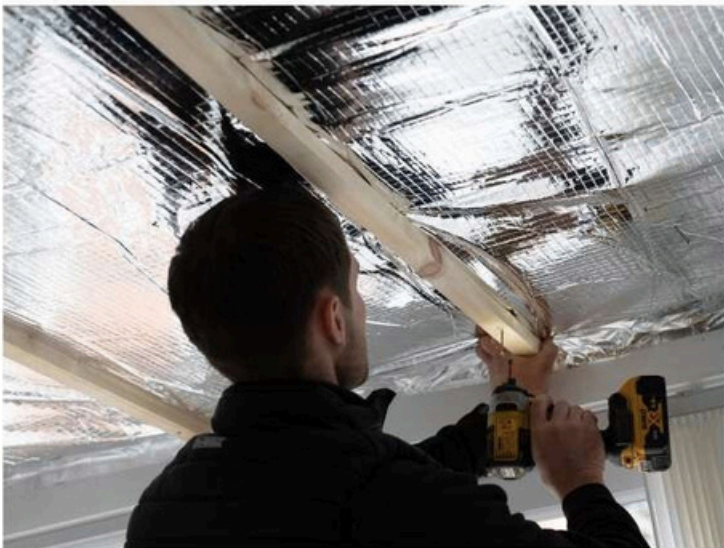
**Heavy Duty
Staple Gun Kit**

Step 3 - Taping and Sealing Polar Insul-Roof

Our Expert Installers will then install the ThermaSeal 75mm Foil Tape around the perimeter and overlaps of the insulation. If we are installing any spotlights and electrical cables, we will also tape and seal around these too, ensuring the insulation acts as a high performing vapour barrier, eliminating the risk of condensation.



Step 4 - Installing Battens



The next step is for our installers to install the 25mm counter battens using our fast fix multifoil screws at 300mm intervals. Compressing the insulation down do just 5mm, taking up minimal roof height.

Accessories used in these steps are:



**FastFix
MultiFoil Screws**



**ThermaSeal
Foil Tape**

Finish: Plasterboard (optional)

Although the most popular finish is our ConservaClad as this is quicker, lighter and more cost effective, We can install a 9mm plasterboard finish. We can screw this into place over the battens using drywall screws. We also have our own in house plasterers that will come along and apply a final coat of plaster ready for you to decorate.



ConservaClad - Standard finish



Using the ConservaClad to line the inside of your conservatory roof is the most popular option and our standard internal finish. This lightweight product gives a lighter finish as opposed to plasterboard and is popular with homeowners as it requires no skim to the internal and will not crack with any movement.



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ConservaClad - Step 1

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Our installers will measure the perimeter of the conservatory roof, around the wall plate and cut the ConservaClad end caps to size. Once cut our installers will fit these around the perimeter by screwing the end caps into the battens using 10mm+ dry wall screws or equivalent. Where two pieces of end caps meet, we will connect these by sliding them together.



ConservaClad - Step 2



The next step is for our installers to measure and cut the ConservaClad boards to size. We install these by sliding the boards into the end caps around the perimeter and screw into the battens using 10mm+ dry wall screws or similar. We will start from the bottom of the conservatory roof and work our way up. The ConservaClad boards are connected together using a tongue and groove system.



Frequently Asked Questions

Will this stop my conservatory getting cold?

Polar Insul-Roof significantly improves heat retention and overall comfort, making the room far more usable year-round.

Will it make the room dark?

The system reduces glare while still allowing natural light through the roof. Optional lighting can also be added.

Is this better than a full warm roof?

A full warm roof provides the highest thermal performance, but **Polar Insul-Roof** offers excellent improvement at a much lower cost.

Do I need planning permission?

No. planning permission is not required for a **Polar Insul-Roof**, as the installation does not involve altering the external structure or appearance of the conservatory roof. Since the work is limited to internal improvements, this falls within permitted development rights.

Can it be removed in the future?

Yes. The **Polar Insul-Roof** system is fully reversible should you wish to upgrade further in the future.

Will I see the insulation through the glass?

if your conservatory roof is made of glass panels, our team of expert installers will apply ThermaFrost Window Film to the inside surface of the glass. This creates a white, opaque finish on the roof, effectively concealing the insulation from external view.



For Further Information visit
www.polarwindows.co.uk

Why Polar Insul-Roof ?

Polar Insul-Roof

Unlike other multifoil products on the market, **Polar Insul-Roof** is purpose-built to tackle the unique insulation challenges of conservatory roofs. Its true Aluminum outer layers reflect up to 98% of radiant heat, keeping your conservatory warmer in winter and cooler in summer. **Polar Insul-Roof** includes an integrated vapor control layer that prevents condensation, protecting your Conservatory from damp and mould.

With better temperature regulation, With a **Polar Insul-Roof** your conservatory becomes more energy-efficient—reducing heating bills and increasing comfort year-round. It's the go-to choice for homeowners looking for reliable, long-term performance.

Installation

- Typically completed within 1–2 days
- Installed entirely from inside your conservatory
- Clean, tidy installation by experienced Polar Windows installers

Cost Guide

Every conservatory is different, but **Polar Insul-Roof** is typically significantly cheaper than replacing your conservatory roof entirely.

- Fixed, transparent pricing
- No hidden extras
- Fully surveyed before work begins

Book Your Free Survey

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Why Choose Polar Windows?

- Family-run, trusted local installer
- Experienced conservatory and roofing specialists
- Honest advice tailored to your home
- High standards of workmanship and aftercare

