

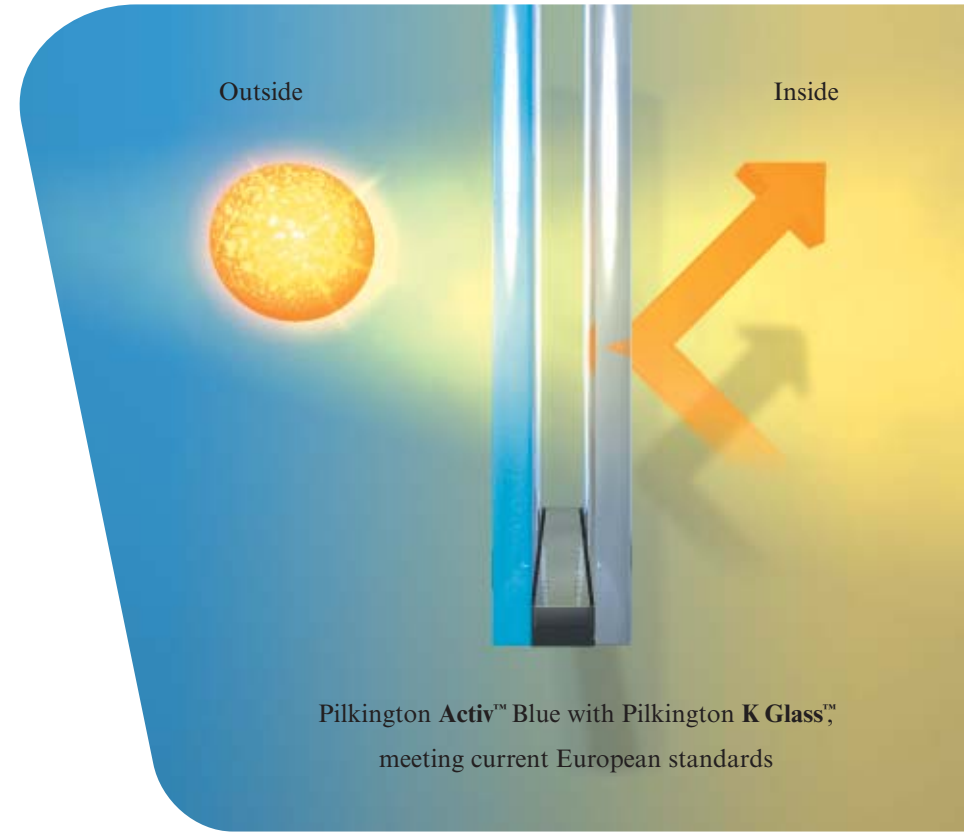
Thermal insulation.

When it comes to conservatories, we think you should be able to enjoy yours, comfortably, all year round. That's why we suggest choosing a glazing unit that combines Pilkington **Activ™ Blue** with a low E glass such as Pilkington **K Glass™**. That way, dual solar control and thermal insulation can help your conservatory maintain a comfortable temperature throughout the year.

Thermal insulation - keeping the heat in.

Pilkington **K Glass™**, which usually forms the inner pane of a double-glazing unit, has a special low emissivity coating to help reduce the amount of heat that escapes through your windows. This is particularly important for conservatories in winter, when it can be increasingly difficult to maintain a comfortable temperature. The special energy-saving coating on Pilkington **K Glass™** lets the sun's rays through, but reflects heat from fires and radiators back into your home, saving energy and reducing your heating bills.

Note: Pilkington **Activ™** can be combined with a vast range of other Pilkington products to help with other issues e.g. security, sound installation, safety, climate control.



Reduced Energy Costs



Thermal Insulation

Benefits of thermal insulation.

- Low E glass makes double glazing as effective as triple glazing.
- Allows you to increase the glazed area of a building without increasing heat loss.
- Allows you to stay comfortable at a lower thermostat setting.
- Reduces unsightly internal condensation.
- Helps to save energy, reducing heat loss by up to 45%.

The table below gives a simple comparison between standard double glazing, polycarbonate, and high performance Pilkington **Activ™** conservatory options.

	Normal Double Glazing	25mm Polycarbonate	4mm Pilkington Activ™ Blue 16mm Argon filled cavity* 4mm Pilkington K Glass™	4mm Pilkington Activ™ Blue 16mm Argon filled cavity* 4mm Pilkington Optitherm™ SN
Light	81%	68%	49%	51%
Total Solar Radiant Heat Transmittance, g	0.76	0.55	0.41	0.37
U-Value	2.7	1.75	1.5*	1.2*
Dual Action Self-Cleaning External Surface	×	×	✓	✓

*Based on 90% gas fill.

Installer/Stockist

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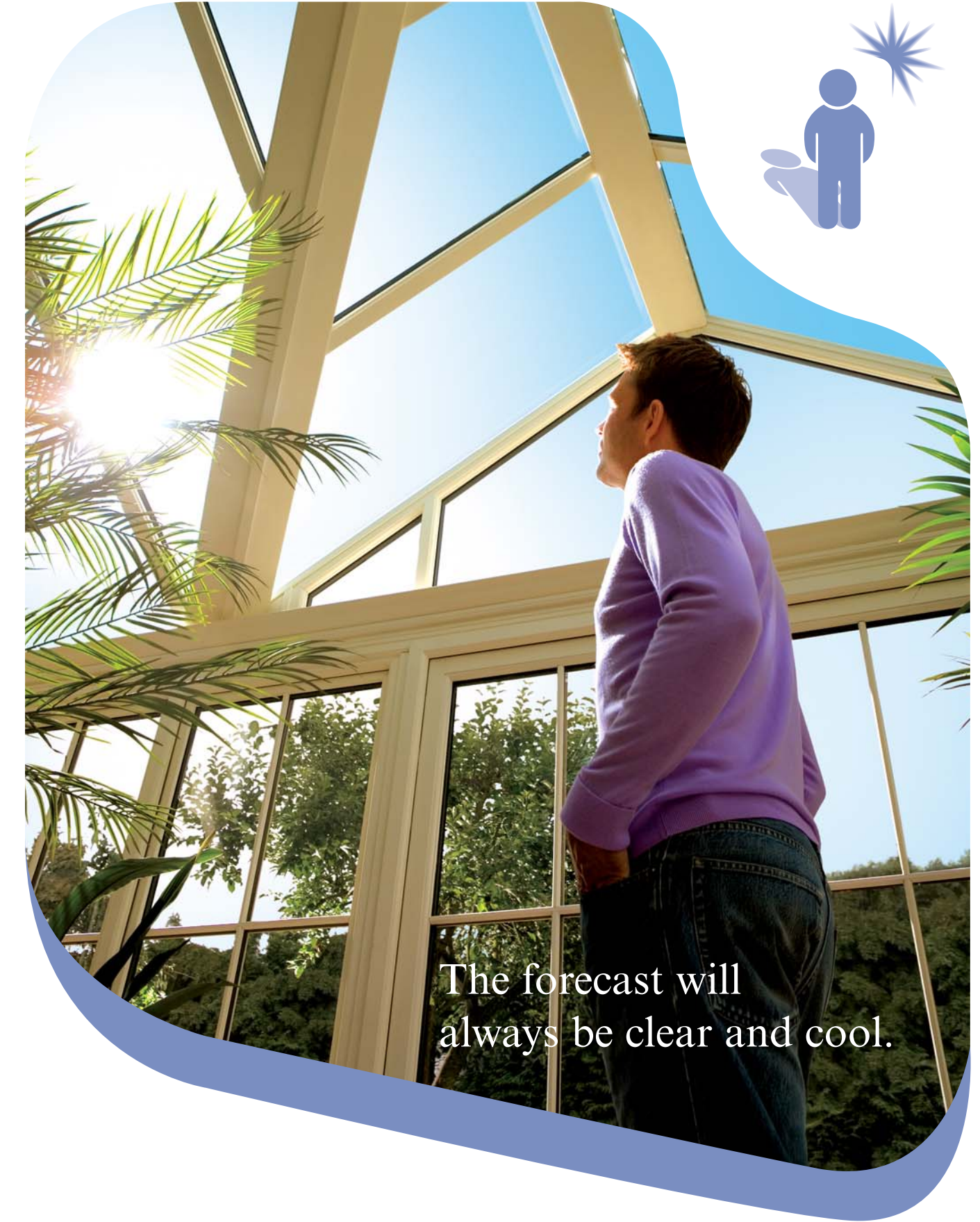
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Pilkington **Activ™** Blue



The forecast will always be clear and cool.

Pilkington **Activ™** and Pilkington **Activ™** Blue self-cleaning and solar control glass for conservatories.



PILKINGTON

Conservatories – bringing the outside in.

“Pilkington **Activ**™ has made such a difference to the way I spend my time in the conservatory. With Pilkington **Activ**™ Blue in the roof – I rarely get too hot – and seldom have to clean the glass either. Brilliant!”
Mrs R Shelmerdine, Stranraer.



A conservatory is more than just an extension to your house. It can be somewhere to enjoy the peace and tranquillity of the garden no matter what the weather is doing, a place to entertain or much needed extra space for the children to play. But whatever your reason for adding a conservatory to your home, it is a significant investment, and choosing the right glass will only add to its value.



Courtesy of Franklin Conservatories

Self-cleaning clear and blue glass – a world first from Pilkington.

Pilkington **Activ**™ is the world's first self-cleaning glass. It's basically the same as conventional glass, except for a unique dual action coating. It works in two ways: first it uses daylight to break down organic dirt (such as bird droppings) and then it uses rain to wash the dirt away. Pilkington **Activ**™ also dries off faster leaving the glass clean and with reduced streaks, which gives you beautifully clear views and makes it ideal for all the windows in the conservatory.

Pilkington **Activ**™ Blue combines the benefits of self-cleaning with solar control performance, making it the perfect choice for hard to reach places that are difficult to clean, which also require solar control such as conservatory roofs.



1. The window is exposed to daylight



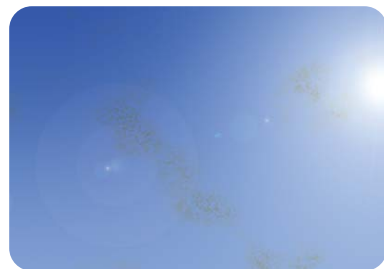
4. Rainwater hits window and sheets down glass



2. Daylight triggers the Pilkington **Activ**™ coating



5. Dirt is washed away by rain



3. Reaction loosens organic dirt



6. Window is left clean

Frequently asked questions.

What is self-cleaning glass?

Pilkington **Activ**™ is an optifloat glass with a special coating on the outside that has a unique dual action. Once exposed to daylight, the coating breaks down any organic dirt and then causes rain water to 'sheet' down the glass to wash the dirt away. The coating has been designed to last as long as the glass itself. The coating is permanent and will not need reapplying.

Where can Pilkington **Activ**™ be used?

Almost any exterior application, such as windows, conservatories, facades and glass roofs. It is especially useful for inaccessible windows where organic dirt normally collects, such as skylights. Pilkington **Activ**™ is less effective in locations where sun or rain cannot reach e.g. overhangs.

Note: The minimum recommended angle is 10 degrees from horizontal, so that rain water can flow over the glass properly.

Will my windows ever need cleaning?

We cannot say that your windows will never need cleaning – that depends on the amount of dirt and the amount of rain the glass in your windows receives. We can say that Pilkington **Activ**™ reduces the amount of maintenance required. If cleaning is necessary – such as during long dry spells or if your windows are heavily soiled – it will be much less frequent and much easier than with conventional glass, either by gentle hosing to replicate rainfall or using a soft cloth and warm soapy water.

Does it work on cloudy days and at night?

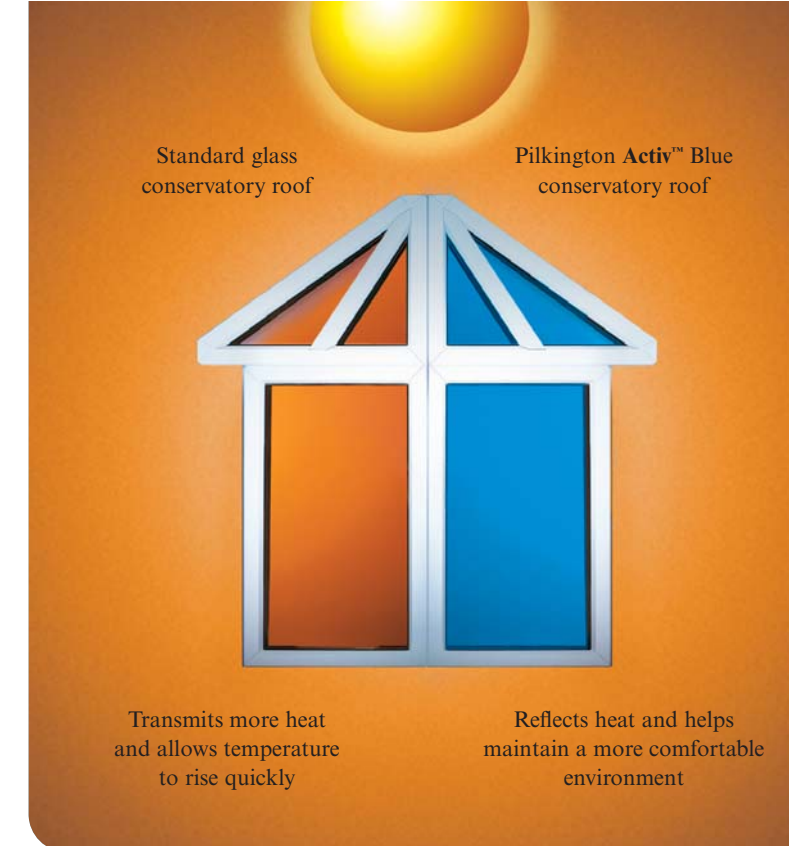
Pilkington **Activ**™ needs only a small amount of UV radiation to activate the coating – so it works on even overcast days and throughout the night.

Benefits of glass over polycarbonate for conservatory roofs.

- Glass provides a better view than polycarbonate, which can also become very dirty, very quickly.
- Self-cleaning glass is much safer for hard to reach places such as conservatory roofs.
- Glass, especially Pilkington **Activ**™ Blue provides improved solar control.
- A glass roof is much quieter than polycarbonate in rain and hail.



Courtesy of Franklin Conservatories



Standard glass conservatory roof
Transmits more heat and allows temperature to rise quickly

Pilkington **Activ**™ Blue conservatory roof
Reflects heat and helps maintain a more comfortable environment

Solar control – reducing the sun's heat.

Pilkington **Activ**™ Blue combines the revolutionary benefits of a self-cleaning coating with the solar control performance of a tinted glass, with good light transmission.

In summer months, glass with solar control can help prevent heat build up by significantly reducing the amount of heat allowed to pass into your conservatory.

“Cleaning my conservatory has always been a problem – especially with the tree sap in the summer. Having Pilkington **Activ**™ installed in the windows and roof means that now, I can sit back and relax – and enjoy the weather.”
Mr T Lunt, Chelmsford.

Benefits of Pilkington **Activ**™ Blue.

- Combines solar control and self-cleaning properties.
- Helps reduce heat build up – further ventilation may also be required.
- Its self-cleaning properties work on cloudy days and during the night.
- Easily cleaned during dry spells by hosing down.
- Self-clean coating lasts the lifetime of the glazing.
- Attractive blue colour offers excellent aesthetics.
- It allows good light transmittance.



Courtesy of Franklin Conservatories