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## Pilkington **Activ**<sup>™</sup> Self-cleaning and Solar Control Glass Range

Pilkington **Activ**<sup>™</sup> Blue

Pilkington **Activ**<sup>™</sup> Bronze

Pilkington **Activ SunShade**<sup>™</sup> Blue

Pilkington **Activ SunShade**<sup>™</sup> Neutral

## Pilkington **Activ**<sup>™</sup> Glass Range

Pilkington **Activ**<sup>™</sup> the world's first self-cleaning glass, has been specifically designed for conservatories, conservatory roof replacements and large glazed areas.

The first stage of the cleaning process is "photocatalytic". In this stage the coating reacts with daylight to break down organic dirt.

The second stage is "hydrophilic". Here, instead of forming droplets, rainwater hits the glass and spreads evenly, running off in a "sheet" and taking the loosened dirt with it, also drying quickly without leaving streaks.

Pilkington **Activ**<sup>™</sup> Clear is the original self-cleaning glass used extensively in the UK for over 15 years with a coating that lasts the lifetime of the glass. It is the ideal option for areas where only self-cleaning glass is required.

Pilkington **Activ**<sup>™</sup> is now also available with a range of solar control options, ideal for use in conservatories and orangeries, helping to keep internal temperatures cooler and creating a more comfortable environment that can be used all year round.

- Pilkington **Activ**<sup>™</sup> Blue and Pilkington **Activ**<sup>™</sup> Bronze; combine self-cleaning and medium solar control properties
- Pilkington **Activ SunShade**<sup>™</sup> Neutral and Pilkington **Activ SunShade**<sup>™</sup> Blue; combine self-cleaning properties with superior performance solar-control properties\*

For optimum self-cleaning and thermal performance, combine glass from the Pilkington **Activ**<sup>™</sup> range with a low-e glass from the Pilkington **K Glass**<sup>™</sup> range in an Insulating Glass Unit (IGU). For outstanding thermal performance Pilkington **Optitherm**<sup>™</sup> S1 Plus, provides a  $U_g$  value of 1.0 W/m<sup>2</sup>K.

### Where to use Pilkington **Activ**<sup>™</sup>

- Windows and doors
- Conservatories and orangeries
- Glass roofs
- Replacement conservatory roofs

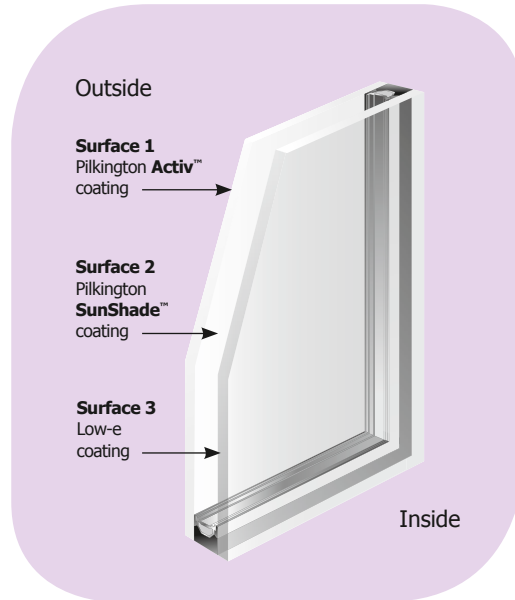
\* Superior solar control is achieved through an additional offline coating on the inner surface of the outside pane (surface 2).



## Range summary

- Pilkington **Activ™** Clear – the original self-cleaning glass
- Pilkington **Activ™** Blue and Bronze offer excellent aesthetics combining self-cleaning and solar-control properties
- Pilkington **Activ SunShade™** Neutral\* and Blue combine self-cleaning and high performance solar control properties
- Combine Pilkington **Activ™** with low-e glass such as Pilkington **K Glass™**, Pilkington **K Glass™** S or Pilkington **Optitherm™** S1 Plus in an IGU for the ultimate performance in conservatory roof and vertical glazing
- The Pilkington **Activ™** range can be used in conjunction with a host of other Pilkington products to achieve a variety of benefits such as: privacy, noise control and safety and security
- Pilkington **Activ™** coating last the lifetime of the glass

- Easy to stock, handle and process.
- Available in 4 mm and 6 mm in annealed and toughened forms.



Note:  
Pilkington **Activ SunShade™** is a dual coated glass and should be made into an IGU with Pilkington **Activ™** on the outside pane (surface 1) and Pilkington **SunShade™** on (surface 2) of the outside pane.

\* The neutral coating on Pilkington **Activ SunShade™** Neutral gives a slightly grey appearance which helps reduce transmission of light and heat from the sun.

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

Product	Light Transmittance	Solar Heat Rejection	Colour	U <sub>g</sub> value [W/m <sup>2</sup> K]	Self-Cleaning Properties
Uncoated double glazing 4 mm / 12 mm air / 4 mm	0.82	21%	Clear	2.8	N
25 mm polycarbonate	0.68	45%	Clear	1.75	N
Double Insulating Glass Unit construction (with 4 mm Pilkington <b>Optitherm™</b> S1 Plus inner pane 16 mm 90% argon filled cavity)					
Pilkington <b>Activ SunShade™</b> Blue	0.18	83%	Blue	1.0	Y
Pilkington <b>Activ SunShade™</b> Neutral	0.37	71%	Neutral*	1.0	Y
Pilkington <b>Activ™</b> Blue	0.42	67%	Blue	1.0	Y
Pilkington <b>Activ™</b> Bronze	0.43	68%	Bronze	1.0	Y
Pilkington <b>Activ™</b> Clear	0.62	N/A	Clear	1.0	Y

Pilkington **Activ™** is a durable online coating applied to the surface during float glass manufacture.

Pilkington **Activ SunShade™** is a combination of the Pilkington **Activ™** online coating on surface 1 with an additional offline coating on surface 2, which provides superior solar control.

The Pilkington **Activ™** range must always be processed, installed and maintained in accordance with our specialist Handling and Processing instructions for Pilkington **Activ™** (available on our website).

For more information on the Pilkington **Activ™** range please visit [www.pilkington.co.uk/activ](http://www.pilkington.co.uk/activ)

This publication provides only a general description of the products. Further, more detailed, information may be obtained from your local supplier of Pilkington products. It is the responsibility of the user to ensure that the use of these products is appropriate for any particular application and that such use complies with all relevant legislation, standards, codes of practice and other requirements. To the fullest extent permitted by applicable laws, Nippon Sheet Glass Co. Ltd. and its subsidiary companies disclaim all liability for any error in or omission from this publication and for all consequences of relying on it. Pilkington "Activ", "Activ SunShade", "K Glass" and "Optitherm" are trademarks owned by Nippon Sheet Glass Co. Ltd, or a subsidiary thereof.

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For exact colouration, please request a sample from your local supplier.**



UK CA Marking confirms that a product meets the requirements of its relevant UK-designated standard and can be placed on the market in Great Britain. The UK CA Marking Declaration of Performance for each product can be found at [www.pilkington.com/ukca](http://www.pilkington.com/ukca)



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