



Pilkington **Activ**™ Self-cleaning and  
Solar Control Glass Range

- Pilkington **Activ**™ Clear
- Pilkington **Activ**™ Blue
- Pilkington **Activ**™ Bronze
- Pilkington **Activ SunShade**™ Blue
- Pilkington **Activ SunShade**™ 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 more than 10 years. 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; tinted glass combining self-cleaning and medium solar control properties\*
- Pilkington **Activ SunShade**<sup>™</sup> Neutral (formally Pilkington **Activ**<sup>™</sup> Neutral) and Pilkington **Activ SunShade**<sup>™</sup> Blue; tinted glass combining 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.

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

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

\* Solar control is achieved through the use of absorbance in the body tint of the glass.

\*\* Solar control is achieved through the combined benefits of the body tint with an offline coating on the inside pane of the glass.



## Summary

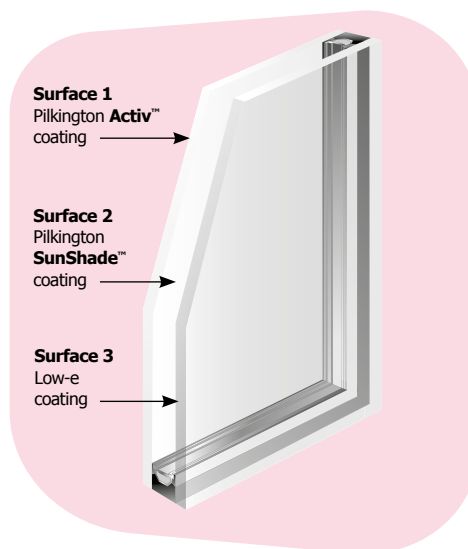
- Pilkington **Activ™** Clear – the original self-cleaning glass
- Uses daylight and rainwater to break down and wash away organic dirt from the exterior of the glass
- Works even on cloudy days and during the night
- Easily cleaned during dry spells by hosing down
- The Pilkington **Activ™** range can 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™** can be combined with low-e glass such as Pilkington **K Glass™**, Pilkington **K Glass™** S, Pilkington **Optitherm™** S3 or Pilkington **Optitherm™** S1 Plus for the ultimate performance in conservatory roof and vertical glazing
- Easy to handle, process and stock. Easy to fabricate into IGUs in both annealed and toughened forms. Available in 4 mm and 6 mm
- Pilkington **Activ™** coating lasts the lifetime of the glass

## Range summary

- Pilkington **Activ™** Clear – the original self-cleaning glass
- Pilkington **Activ™** Blue and Bronze are attractive tints offering excellent aesthetics combining self-cleaning and solar-control properties
- Pilkington **Activ SunShade™** Neutral and Blue combine self-cleaning and high performance solar control properties

### Important note:

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



### 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 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                | 22%                  | Clear    | 2.8  | N                        |
| 25 mm polycarbonate   | 0.68                | 45%                  | Clear    | 1.75                                       | N                        |
| Pilkington <b>Insulight Activ™</b> (4 mm Pilkington <b>Optitherm™</b> S1 Plus inner pane 16 mm 90% argon filled cavity) |                     |                      |          |  |                          |
| Pilkington <b>Activ SunShade™</b> Blue  | 0.27                | 80%                  | Blue     | 1.0  | Y                        |
| Pilkington <b>Activ SunShade™</b> Neutral   | 0.42                | 68%                  | Neutral* | 1.0  | Y                        |
| Pilkington <b>Activ™</b> Blue   | 0.50                | 67%                  | Blue     | 1.0  | Y                        |
| Pilkington <b>Activ™</b> Bronze   | 0.49                | 64%                  | Bronze   | 1.0  | Y                        |
| Pilkington <b>Activ™</b> Clear  | 0.72                | N/A                  | Clear    | 1.0  | Y                        |

\*Note – Pilkington **Activ SunShade™** Neutral has a slightly grey appearance.

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" and "Activ SunShade" are trademarks owned by Nippon Sheet Glass Co. Ltd, or a subsidiary thereof.

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CE marking confirms that a product complies with its relevant harmonised European Norm.  
The CE marking label for each product, including declared values, can be found at [www.pilkington.com/CE](http://www.pilkington.com/CE)

KJM Windows & Conservatories, 9 Mylen Business Centre, Andover, Hampshire, SP10 3HR  
Tel 01264 359355 Fax 01264 353441 email [sales@kjmgroupp.co.uk](mailto:sales@kjmgroupp.co.uk) [www.kjmgroupp.co.uk](http://www.kjmgroupp.co.uk)



**Pilkington United Kingdom Ltd**

European Technical Centre, Hall Lane, Lathom, Nr Ormskirk, Lancashire L40 5UF

Telephone 01744 692000 Fax 01744 692880

[pilkington@respond.uk.com](mailto:pilkington@respond.uk.com)

[www.pilkington.co.uk](http://www.pilkington.co.uk)