

## The benefits of Pilkington Activ™

- The world's first self-cleaning glass.
- Saves you time and money, and is safer than cleaning your own windows.
- Unique coating breaks down and loosens organic soiling.
- Even works on cloudy days and during the night.
- Can be used in almost any external domestic application – ideal for conservatories and windows.
- Will not be worn away or rubbed off under normal conditions – lasts the lifetime of the glazing itself.
- Easily cleaned during dry spells by hosing down or wiping with a soft cloth and warm soapy water.
- Pilkington Activ™ helps reduce the visual appearance of external condensation.
- Can be used in conjunction with other Pilkington glass products for example Pilkington K Glass™ to provide increased energy efficiency and save on heating bills.
- Created and manufactured by the world's leading glass producer – Pilkington.

## Also available

- Pilkington Activ™ Blue, an attractive blue tinted glass that combines self-cleaning with solar control, perfect for conservatory roofs.
- Pilkington Activ™ Neutral, a neutral coloured glass ideal for conservatory roofs and verticals. The coating gives a slightly darker appearance which helps reduce transmission of light and heat from the sun.

For more information please visit  
[www.pilkington.co.uk/selfcleaningglass](http://www.pilkington.co.uk/selfcleaningglass)



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 For exact colouration, please order a sample.**



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 The CE marking label for each product, including declared values, can be found at [www.pilkington.com/CE](http://www.pilkington.com/CE)



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**Pilkington Activ™ Range**  
 The world's first self-cleaning glass with advanced dual action for superior results.





The Vistas, Wychwood Park, Countryside Properties. 01270 821 030.

## Some frequently asked questions

### Will my windows ever need cleaning?

We do not say that your windows will never need cleaning – that depends on the type and amount of dirt and the volume of rain the glass in your window receives. Pilkington **Activ™** reduces the amount of maintenance required. If the glass is located in a position where the amount of material being deposited on the surface overwhelms the self-cleaning properties of the glass, or the glass is not flushed clean by the rain, then manual cleaning with a soft cloth and warm soapy water or hosing to replicate the action of rain may be required at more frequent intervals.

### 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 even on overcast days and through the night.

### Will the glass in my windows look any different?

From certain angles they will have a slightly greater reflective quality than ordinary glass, with an attractive faint blue tint. Otherwise, the glass is like any other.

### Can the coating be scratched or rubbed off?

The coating is integral to the glass – it will not flake off or discolour, so it can only be affected if the surface itself is damaged; for example, by pointed objects, abrasive cleaners or steel wool.

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

It is suitable for almost any exterior application, such as windows, conservatories, façades and glass roofs, and is especially useful for inaccessible windows where organic dirt normally collects, such as skylights.

### Can it be combined with other types of glass?

In insulating glass units, Pilkington **Activ™** can be used with other Pilkington products to provide thermal insulation, noise reduction, solar control and fire protection. It is also available toughened or laminated for added safety. Also, our latest additions to the range Pilkington **Activ™** Blue and Pilkington **Activ™** Neutral offer self-cleaning properties with solar control performance.

## A revolution in glass

Self-cleaning glass has been described as an impossible dream. Yet, following intensive research and development by Pilkington – the world's leading glass manufacturer – Pilkington **Activ™** does just that.

Its unique dual action uses the forces of nature to help keep the glass clear of organic dirt, giving you not only the practical benefit of less cleaning, but also clearer, better-looking windows.

## How Pilkington **Activ™** works

### The dual action process

The secret of Pilkington **Activ™** is its special coating, which works in two stages:

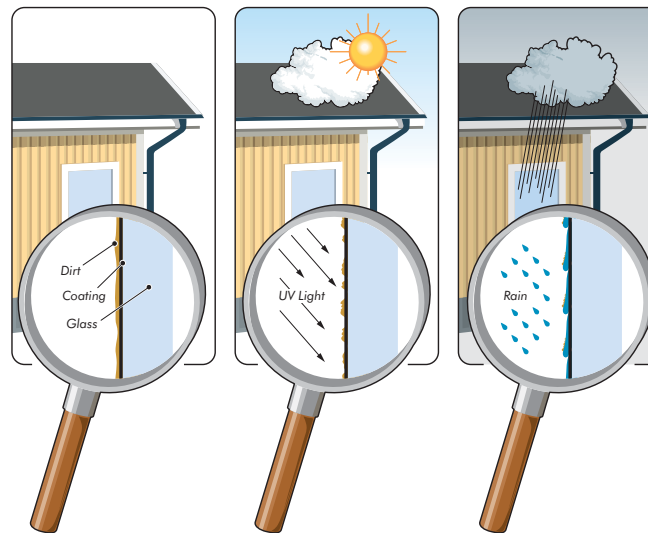
#### Breaking down organic dirt

Firstly, the coating reacts with ultra-violet (UV) rays from natural daylight to break down organic dirt (see figures 1 & 2).

Organic dirt generally comes from plants and animals e.g. bird droppings, pollen or tree sap, while inorganic dirt comes from other, non-living sources e.g. cement or plaster.

#### Washing dirt away

The second part of the process commences when water hits the glass. Rainwater runs down the glass to wash the loosened dirt (both organic and inorganic) away. Compared with conventional glass, the water dries very quickly, reducing unsightly streaks or marks (see figure 3).



**Figure 1:**  
**Coating is activated by UV light**

After installation the special coating needs 5 to 7 days' of exposure to daylight to activate fully.

**Figure 2:**  
**Organic dirt is broken down**

The coating breaks down organic dirt and by doing so, reduces the adherence of inorganic dirt.

**Figure 3:**  
**Rain washes dirt away**  
Water droplets spread out to form a 'sheet', dirt particles on the surface are picked up by water and washed off glass – a remarkable difference you can actually see.