

Pilkington Activ

Self cleaning glass as been described as an impossible dream. Yet, following research by Pilkington, Pilkington activ as managed to achieve just that.

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

How it works

The secret of Pilkington Activ is its special coating, which works in two stages.

Stage 1 - Braking down organic dirt

Firstly, the coating reacts with ultra-violet (UV) rays from natural daylight to break down and disintegrate organic dirt.

Organic dirt is defined as having come from living plants and animals (e.g. bird droppings or tree sap), while inorganic dirt comes from other, non-living sources (e.g. cement or plaster)

Stage 2 - Washing dirt away

The second part of the process happens when water hits the glass. Rain water runs down the glass to wash the loosened dirt (both organic and inorganic) away. Inorganic dirt will only be removed by water. Compared with conventional glass, the water dries very quickly, without leaving unsightly streaks or marks.



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Please find below detailed diagrams of the process of Pilkington Activ:

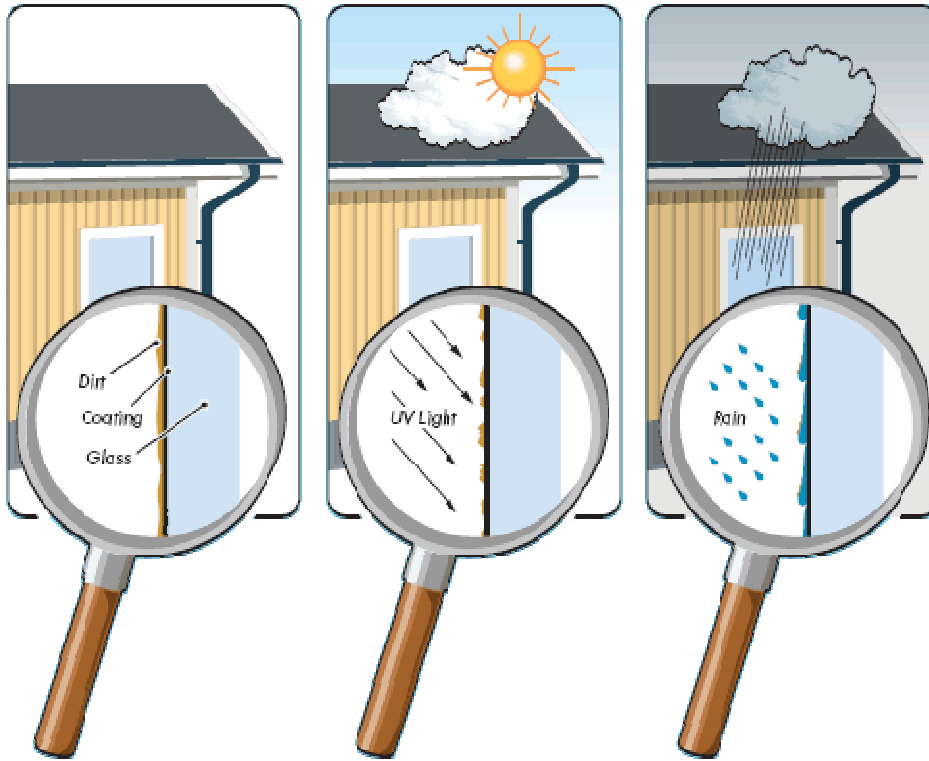


Figure 1:	Figure 2:	Figure 3:
<p>Coating is activated by UV light</p> <p>After installation the special coating needs 5 to 7 days exposure to daylight to activate fully.</p>	<p>Organic dirt is broken down</p> <p>The coating breaks down organic dirt and by doing so, reduces the adherence of inorganic dirt.</p>	<p>Rain washes dirt away</p> <p>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.</p>

