

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

## Features and Benefits



FEATURES	BENEFITS
<b>EXPLAINING THE PROCESS</b>	
World's first self-cleaning glass	Latest technology, exclusive, prestige product
Dual action process	Pilkington <b>Activ</b> <sup>TM</sup> both breaks down organic dirt <u>and</u> helps it to be washed away
Photocatalytic	Chemical reaction that uses UV light to break down and detach particles of organic dirt from the glass
Hydrophilic	Water spreads evenly over the glass surface to form a thin film, helping to wash dirt away, and drying off quickly
Only a small amount of UV light is needed for Pilkington <b>Activ</b> <sup>TM</sup> to work	Your windows carry on cleaning themselves, even on cloudy days
<b>THE DIFFERENCES YOU CAN SEE</b>	
Rainwater sheets down the glass	Improved vision while raining, and afterwards
Dries without streaks	Windows never need drying – even after hosing down
Less cleaning required	Saves time and money. Makes Pilkington <b>Activ</b> <sup>TM</sup> ideal for hard to reach glazing such as skylights
With less cleaning, you also need less cleaning agents	More friendly to the environment than ordinary glass
Windows stay cleaner longer	Your windows look good for longer
High light transmission	Pilkington <b>Activ</b> <sup>TM</sup> is virtually indistinguishable from ordinary glass
<b>THE REASSURANCE OF A PILKINGTON PRODUCT</b>	
Coating applied during manufacture	No need to re-apply coating during the lifetime of the unit
Can be incorporated into a Pilkington <b>Insulight</b> <sup>TM</sup> glazing unit	High quality, dual sealed unit
Identification label, including instructions, on every unit	You have the confidence of knowing you have genuine Pilkington <b>Activ</b> <sup>TM</sup> in your windows
Can be combined with other products in the Pilkington range	Gives you the option of using your windows to improve energy efficiency, reduce noise, increase security, etc.
Created and manufactured by Pilkington	The reassurance of the world's leading glassmaker
<b>WHAT Pilkington <b>Activ</b><sup>TM</sup> CAN MEAN FOR YOUR BUSINESS</b>	
A high value, premium product	You benefit from higher profit margins
The latest innovation in glass	Offering the latest technology to your customers adds prestige to your business
Support of ongoing national consumer marketing campaign	Creates awareness of and ready demand for the product with your customers

# Pilkington Activ™ Performance Data

## INSULATING GLASS UNITS (based on 4mm glass thickness)

	LIGHT		SOLAR RADIANT HEAT				SHADING COEFFICIENT			U VALUE (W/m <sup>2</sup> K)	
	Transmittance	Reflectance	Direct transmittance	Reflectance	Absorptance	Total transmittance	Short wave	Long wave	Total	air	argon
Pilkington <b>Optifloat</b> ™ Clear outer pane 16mm cavity Pilkington <b>Optifloat</b> ™ Clear inner pane	0.81	0.15	0.69	0.13	0.18	0.75	0.79	0.07	0.86	2.7	2.6
Pilkington <b>Activ</b> ™ outer pane 16mm cavity Pilkington <b>Optifloat</b> ™ Clear inner pane	0.76	0.20	0.65	0.18	0.17	0.71	0.76	0.06	0.82	2.7	2.6
Pilkington <b>Optifloat</b> ™ Clear outer pane 16mm cavity Pilkington <b>K Glass</b> ™ inner pane	0.75	0.17	0.60	0.16	0.24	0.72	0.69	0.14	0.83	1.7	1.5
Pilkington <b>Activ</b> ™ outer pane 16mm cavity Pilkington <b>K Glass</b> ™ inner pane	0.70	0.21	0.57	0.21	0.22	0.68	0.66	0.12	0.78	1.7	1.5
Pilkington <b>Optifloat</b> ™ Clear outer pane 16mm cavity Pilkington <b>Optitherm</b> ™ SN inner pane	0.79	0.12	0.53	0.23	0.24	0.63	0.62	0.11	0.73	1.4	1.2
Pilkington <b>Activ</b> ™ outer pane 16mm cavity Pilkington <b>Optitherm</b> ™ SN inner pane	0.74	0.18	0.50	0.29	0.21	0.59	0.58	0.10	0.68	1.4	1.2

Determined in accordance with EN 410 and EN 673

U values for argon gas-filled units based on 90% argon/10% air



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