

Self-Cleaning Glass

Photocatalytic TiO2 coating — up to 80% less cleaning

Overview

Self-cleaning glass works in two stages. Stage 1 — Photocatalysis: UV from daylight activates the titanium dioxide (TiO2) coating, which chemically breaks down organic dirt — algae, pollen, exhaust residue. Stage 2 — Hydrophilic sheeting: rain spreads evenly across the surface rather than forming droplets, washing away the broken-down dirt in a continuous sheet rather than leaving streaky marks. The coating is pyrolytic (fused during manufacture) — permanent and scratch-resistant.

Brand Products

Product	Brand	Additional	Light	g-value
Activ™	Pilkington	Self-clean only	78%	0.63
Activ™ Suncool 70/35	Pilkington	+ Solar control	70%	0.35
Activ™ Suncool 50/25	Pilkington	+ Max solar	50%	0.25
Activ™ Optitherm	Pilkington	+ Thermal	78%	0.63
Bioclean®	Saint-Gobain	Self-clean only	77%	0.63

Limitations

- **No effect on inorganic dirt:** mortar, paint, mineral staining, hard water marks.
- **Needs UV:** not effective for permanently shaded north-facing glass.
- **Needs rain:** sheltered locations may need occasional manual cleaning.
- **5-7 day activation:** needs UV exposure to activate after installation.
- **External only:** does not clean the internal face.

Where It Earns Its Keep

Self-cleaning glass pays for itself fastest wherever manual cleaning is difficult or expensive to arrange — rooflights and conservatory roofs that need scaffolding or a cherry picker to reach, high-level glazing on stairwells and atriums, and facades on upper storeys or over water and landscaping where access is restricted.

How to Order

Contact our sales team: 020 8574 9342 | 07305 993794 | sales@csultd.co.uk | csultd.co.uk — quotes returned within 2 business hours (Mon-Fri, 8am-5pm).