

Solar Control Glass

Advanced coatings reducing solar heat gain while maintaining daylight

Overview

The g-value (solar factor) indicates what proportion of solar energy passes through. A g-value of 0.33 means only 33% of solar heat enters — 67% is rejected. The selectivity index (light divided by g-value) shows how well light and heat are balanced — higher is better.

Complete Product Range

Product	Brand	g-value	Light	U-value*
Suncool™ 66/33	Pilkington	0.33	66%	1.0
Suncool™ 50/25	Pilkington	0.25	50%	1.0
Cool-Lite® ST	Saint-Gobain	0.32	66%	1.0
SunGuard® Solar	Guardian	0.30	60%	1.0
Stopray® Vision 50	AGC	0.29	50%	1.0

*Typical values, centre-pane basis.

Part O Compliance (2022)

Part O requires new residential buildings to limit overheating risk. Solar control glass is a primary compliance tool for south/west glazing. We recommend Suncool 66/33 (g=0.33) as a starting point, with Suncool 50/25 (g=0.25) for more demanding situations.

Solar Control vs Clear Float

	g-value	Light Trans.	Heat Rejected vs Clear
Clear Float (6mm)	~0.83	~89%	Baseline
Suncool™ Q 70/40	0.40	70%	~52% less solar heat
Suncool™ 50/25	0.25	50%	~70% less solar heat

Understanding Selectivity

Selectivity is light transmission divided by g-value — it tells you how much daylight you keep for every unit of heat you reject. A product with high light transmission and a low g-value has high selectivity: it lets the room stay bright without also letting it get hot.

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).