CELSIUS™
PERFORMANCE GLASS

Keeping you cooler in summer
and warmer in winter

CELSIUS Elite™
PERFORMANCE GLASS

"I had polycarbonate previously - now, I just cannot think why!"

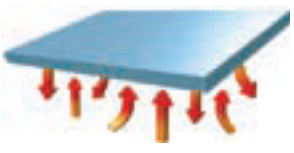
The all new Celsius Elite

Our ultimate performance glass

Celsius Elite is the first performance roof glass on the market to achieve a U-value of 0.9

Heat Reflection
78%

Celsius Elite reflects approximately 3 times more solar energy than standard glass.

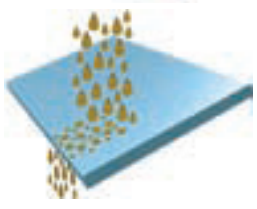


U-value
0.9

U-value measures internal heat loss, the lower the number, the greater the insulation.

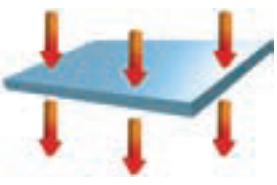
UV Protection
94%

Reduces the effect of harmful UV rays allowing greater protection of your furniture and fabrics.



Easy Clean

The Easy Clean coating reduces the requirement of manual cleaning, as it enables water to run off the glass taking most dirt and grime with it.



Visible Light Transmission
34%

Celsius Elite softens the impact of natural light through the roof of your conservatory, for increased comfort.

Celsius Elite replaces Celsius Plus in our performance glass range.

S/C: CELELIFP

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Differences between Self-Clean and Easy Clean

	Self-Cleaning Glass (Titanium Dioxide Coatings)	Easy Clean (ClearShield Non-Stick Surface Technology)
Is the technology available today?	Yes Several glass manufacturers have 'self-cleaning' titanium dioxide coatings in selected countries.	Yes Easy Clean is available worldwide.
Hydrophobic or Hydrophillic glass?	Self-Cleaning is hydrophilic. It attracts water and causes it to sheet off the surface preventing droplet formation. This ensures loose particles (dust/dirt) are washed away easily during normal rainfall. It is also photocatalytic - UV radiation causes the coating to oxidise dirt & organic deposits loosening them from the glass surface.	Easy Clean is hydrophobic. Untreated glass attracts water and holds moisture which over time starts the corrosion process. Moisture damages and obscures the glass. The hydrophobic Easy Clean system prevents the retention of water in the glass pores and prevents contamination of both organic & inorganic. It also protects against corrosion, staining and discolouration of the glass.
Does the technology chemically bond to the surface of the glass?	No	Yes Easy Clean is applied during manufacturing stage and left to chemically bond, becoming an integral part of the glass surface.
Is the technology effective for both organic and inorganic contamination?	No Technical information specifies Self Clean removes only organic dirt.	Yes Easy Clean protects against bonding of organic and inorganic contaminants, therefore making it easier to clean resisting staining and discolouration.
Does the technology provide protection during construction?	No Manufacturers advise protecting against the glass during construction to avoid damaging the coating.	Yes Leaving the excess polymer on the surface of the glass provides an extra protection against contaminants during construction.
Is the technology compatible with silicone sealants?	No	Yes There have been many approvals obtained from sealant manufacturers for product compatibility with Easy Clean glass.
Does the technology perform in all types of environments?	No Manufacturers in house tests have mirrored real life experience but there is not enough information to date to draw a conclusion.	Yes Easy Clean has performed successfully under many types of environments over the past 20 years.
Has the technology been proven in the field?	Limited Isolated field trials in a restricted environment.	Yes Guidelines for the durability and confirmation of performance are based on 20 years of successful field experience.
Aftercare required?	Yes Requires cleaning if environmental conditions are not ideal.	Yes Unique and complete system for maintenance of glass to ensure maximum performance.
Other	Very susceptible to construction contamination. Does not remove inorganic contaminants. No Silicone sealants or oils must be used with the system. Cannot be applied on site - therefore any damage to the coating and glass must be replaced	UV Stable. Does not migrate onto other surfaces. Does not bond to other surfaces than glass.