

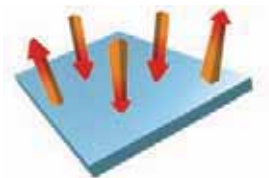
# “Living Daylight” STANDARD GLAZING SPECIFICATION



“Engineered Products for Living Daylight”

CELSIUS Plus™  
PERFORMANCE GLASS

Celsius Plus – the ultimate performance glazing



Heat Reflection  
**74%**

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



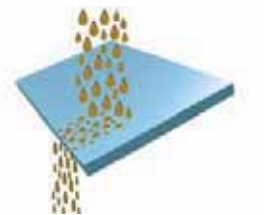
Thermal Insulation  
**Over 50%**

By out performing standard glass units by over 50%, expensive heating bills are dramatically reduced.



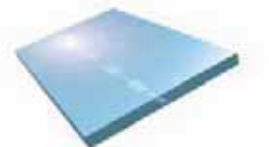
UV Protection  
**88%**

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



**Easy Clean**

With the Easy Clean coating the requirement of manual cleaning is significantly reduced, enabling water to run off the glass taking most dirt and grime with it.



Glare Factor  
**49%**

Glare reduction with Celsius Plus is 49% greater than standard double glazing.

CELSIUS Plus™  
PERFORMANCE GLASS

## DESIGNER CONSTRUCTION LTD

91 ASHACRE LANE, WORTHING, SUSSEX, BN13 2DE

☎ 01903 831333 ☎ 01903 830724 ✉ enquiries@livingdaylight.co.uk

Bespoke  
Glazed Installations

Roof Vents,  
Windows & Laylights

Folding, Sliding  
(Concertina) Doors

Conservatory Roof Kits  
& Accessories

Roof Garden Access &  
Emergency Escape Hatches

Opening Roofs &  
Succah Applications

Clerestory  
Lanterns & Orangeries

Rooflights, Skylights,  
Lanterns & Pyramids

The “Perspective”  
Glazed Roof System

# “Living Daylight” STANDARD GLAZING SPECIFICATION



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Technical Specification	Celsius Clear	Celsius Plus
Heat Reflection	58%	74%
Solar Factor	42%	26%
U-Value	1.0	1.2
Visible Light Transmission	61%	40%
UV Protection	73%	88%
Toughened to BS EN 12150-1	✓	✓
Manufactured to BS EN 1279-2	✓	✓
10 Yr Warranty against Seal Failure	✓	✓
Easy Clean Coating	✓	✓
Cavity Fill	Argon	Argon
Blue Tint <small>[View in Situ.]</small>	✗	✓

#### VISIBLE LIGHT TRANSMITTANCE

This is the percentage of visible light directly transmitted through the glass.

#### SOLAR FACTOR

This is the percentage of total solar energy (or heat from the sun) able to pass through the glass.

#### U-VALUE

This is used to measure internal heat loss during cooler periods. The lower the number, the greater the insulation.

#### UV TRANSMISSION

Sun damaging UV rays are dramatically reduced, allowing greater protection of your furniture and fabrics.

#### EASY CLEAN

A system converting ordinary glass into 'Non-Stick' easy to clean glass.

Stays cleaner longer because it keeps dirt and other contaminants from bonding to it.

Easier to maintain because it requires less cleaning.

Does not support adhesion or growth of bacteria .. for a more hygienic environment.

Protects the surface from organic and inorganic contamination.

Resists staining from hard water deposits whilst maintaining a pristine appearance.

Eliminates the need for harsh or abrasive cleaning products.

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## Frequently Asked Questions

### **How much more solar energy is reflected by Celsius Glass compared to Standard Glass?**

Celsius Glass typically reflects 72% of total solar energy (heat from the sun) – more than three times the amount reflected by standard glass.

### **How much more heat is retained by Celsius Glass than Standard Glass?**

Celsius Glass typically retains 50% more heat than standard glass, keeping you warmer in winter and helping to reduce heating bills with the subsequent energy efficiencies.

### **How much quieter will my conservatory be with Celsius Glass?**

Celsius glass units are argon filled and reduces noise levels by over 100% compared to 25mm polycarbonate.

### **Will the glare in my conservatory be reduced much with the Blue tint?**

**How blue is the tint?** [Visit: <http://www.livingdaylight.co.uk/Celsius-Glazing-Views.html> to view glass in situ.]

Celsius Glass has a subtle blue tint and reduces glare by 44% whilst providing a good level of light for all year round conservatory usage.

### **Will my furniture still fade with Celsius?**

Destructive UV rays are cut by up to 88%, thereby offering furniture and fabrics added protection.

### **I have a North facing house – which in the range of performance glass would you suggest?**

Generally a North facing house and therefore conservatory, would benefit from extra light and a preferred option could be Celsius Clear – thus allowing maximum light infiltration, but still allowing the huge benefits that Celsius performance gives, such as it’s heat retention properties. Conversely, a South facing house/conservatory which would receive maximum sun and light, would definitely benefit from Celsius or Celsius Plus – giving you that extra solar and anti-glare protection. As always, consumer preference is the deciding factor but with the three Celsius options you can have the complete performance glazing solution.

### **What does the Easy Clean coating mean to me?**

The Easy Clean coating on Celsius Glass reduces maintenance and helps to prevent unsightly marks from appearing on the conservatory roof. It is also guaranteed for 10 years.

### **Does Celsius Glass have any guarantee?**

The Celsius Range is kitemarked to BS EN 1279 standard and is backed by a 10-year warranty against seal failure.



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