

## Solgard

After years of continual improvement and technological advances in coated glasses, Regency Glass is proud to announce a new concept in conservatory glazing.

We have introduced a select series of glass types that are perfect for use in glass buildings. This is a glass that combines solar control with thermal insulation, allowing the consumer to use the conservatory all year round. It is also an excellent response to current architectural trends, thanks to its neutrality and low reflection. Solgard and Solgard+ are silver-based coated products that offer the benefits of state-of-the-art magnetron coated glass and excellent Low-E performance coupled with the flexibility for fabrication and solar control performance of Solgard.

### Performance

The special coating and subtle tint of Solgard combine to make the glass perfect for all seasons - warm in winter, cool in summer. It also ensures that unwanted glare and harmful UV light is kept to a minimum, helping the consumers comfort and protecting furniture from direct sunlight. The table below gives the impressive performance figures for Solgard and Solgard+ when compared to standard clear double glazing and polycarbonate

	Standard Clear Double Glazing	Typical 25mm Polycarbonate	Solgard™ Solgard+™
Solar Factor	75%	55%	32%
U-Value	2.8	1.75	1.1*
Light Transmittance	80%	68%	41%

### Solar Factor

The percentage of total solar energy allowed to pass through the glass.

### Light Transmittance

The percentage of visible light allowed to transmit through the glass

### U-Value

This is the measurement used to calculate heat loss during colder periods. The lower the U-Value, the greater insulation achieved.

### SOLGARD+™

A new in-house process that is applied to the outside of the glass giving a protective barrier to the glass. It stops grime and other residues from bonding onto the glass thus ensuring that the glass in your home stays as easy to clean and bright as the day it was installed, giving the optimal clarity with the least possible effort.

Solgard+ provides a surface that:

- Resists staining
- Is easier to clean
- Eliminates the need for abrasive cleaning products
- Low maintenance
- Remains bright and clean looking



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### **Unique**

Solgard is unique in allowing the customer unlimited possibilities of unit make-up. Due to Solgard being a dual coated product on one glass it allows for any other glass type to complete the unit, giving endless permutations to the end user. So there are no restrictions of how the end product can look

### **Benefits of SOLGARD**

- Option of having Solgard+coating applied to the external surface for low maintenance
- Reflects solar heat away from the building during summer months, keeping it cooler
- Provides excellent thermal insulation during winter months, keeping it warmer
- Reduces glare with a subtle but effective blue tint but still retains sufficient light transmittance
- Option of argon gas filling to improve sound and thermal insulation

