

**NEW**

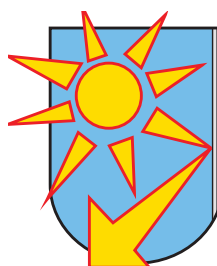
**ultraframe**

Transforming light and space

# SMARTGLASS OPTIONS



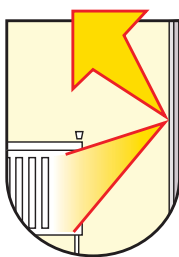
**NEW - OUR MOST INTELLIGENT ROOF GLASS EVER!**



KEEPS HEAT OUT IN SUMMER

**80%**

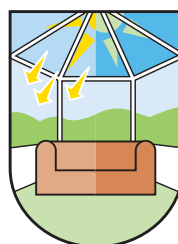
Solar Rejection



RETAINS WARMTH IN WINTER

**1.0**

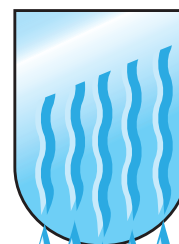
U - Value



REDUCES FABRIC FADING

**90%**

UV Rejection



TRUE SELF CLEANING

**YES**

amazing!

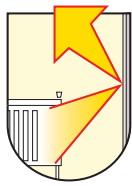
**SMG Ultimate blue - see over for full details**

When designing a conservatory, choosing the right specification of roof glass is crucial to your enjoyment and comfort. Our roof glass:

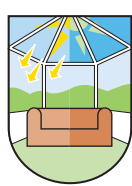
KEEPS HEAT OUT IN SUMMER



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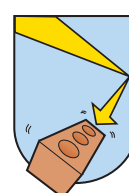
TRUE SELF CLEANING



TINTED



TOUGHENED



To enable a conservatory to be used all year round, a glazing material must be selected that deflects heat from the sun in the Summer and retains the warmth from heating appliances in the Winter. Also needed is a material that allows maximum light into your home.

### Overview

- Our sealed units are made to 'cordon bleu' recipes
- All roof units are 4-16-4 toughened, Argon gas filled & come with warm edge spacer as standard - better winter comfort
- All roof glass units are toughened safety glass:  
4mm glass - 16 mm cavity - 4 mm glass - to comply with Building Regulations.
- Roof units are guaranteed for 10 years

## SMARTGLASS Sealed Unit Specification

Spec Tier	Glass Specification	U Value	Solar Rejection %	Light Transmission %	UV Protection / Rejection %	True Self Clean	Warm Edge	Argon fill
Tier 1	SMG Blue	1.2	60	52	83	Yes	Yes	Yes
	SMG Neutral	1.2	60	45	78	Yes	Yes	Yes
	SMG Aqua	1.2	72	39	92	Yes	Yes	Yes
	SMG Bronze	1.2	51	52	86	Yes	Yes	Yes
Tier 2	SMG 4S Blue	1.0	72	41	86	Yes	Yes	Yes
	SMG 4S Neutral	1.0	71	37	82	Yes	Yes	Yes
	SMG 4S Aqua	1.0	78	32	90	Yes	Yes	Yes
	SMG 4S Bronze	1.0	66	42	89	Yes	Yes	Yes
Tier 3	SMG Ultimate Blue	1.0	80	27	90	Yes	Yes	Yes

### Light Transmission

Percentage of light transmitted through the unit.

### Solar Rejection

The proportion of the sun's energy that is rejected. The higher the percentage the better it is.

### Spec Tier

Tier 1 = lowest  
Tier 3 = highest

### U Value W/m<sup>2</sup> °K

A measure of how good the material is at preventing heat loss to the outside. The lower the figure, the more thermally efficient it is.

### UV Protection

The higher the % the lower the possibility of furniture and fabrics fading.

### General sealed unit construction (roof glass)

- A** 4mm toughened glass with any self cleaning coating and solar control properties
- B** 4mm toughened glass
- C** Low 'e' coating
- D** Argon-filled 16mm cavity
- E** Warm edge spacer bar
- F** Sealant

