



SOLAR CONTROL GLASS

WHAT IS SOLAR CONTROL GLASS?

Imagine a glass that offers the best of both worlds . A glass that helps to keep your visitors warm and cosy in the winter and cool and comfortable in the summer. That's what Glasscraft can deliver. Thanks to our unique technology developed.

KEY BENEFITS INCLUDE:

- 50% Energy Efficiency Compared to standard glazing
- Up to 75 % Solar reflection
- Up to 44 % Glare reduction
- 100 % Noise reduction Compared to 25mm Polycarbonate
- Easy Clean option
- Reduced Condensation
- Manufactured to EN1279
- Guaranteed for 10 years
- Improved U-Value as low as 1.1 W/M2K
- Warm edge option

GLASSCRAFT SOLAR CONTROL is the answer to the most advanced architectural requirements. It combines neutrality with low reflection, which allows objects to be seen in their true colour. the glazing is available in three shades, each with its own unique hue: Neutral clear, Bronze and Blue.

GLASSCRAFT SOLAR CONTROL has excellent technical properties. The combination of solar control with low reflection properties and thermal insulation will appeal to everybody.

GLASSCRAFT SOLAR CONTROL offers visual and thermal comfort. The excellent combination of light transmission, solar control and thermal insulation makes it the ideal glass for all seasons - warm in winter, cool in summer.

TECHNICAL SPECIFICATION FROM GLASSCRAFT

	SOLAR FACTOR	LIGHT TRANSMISSION	U -VALUE	DBA	GAS	WARM EDGE	TOUGHENED SAFETY GLASS
STANDARD DOUBLE GLAZING	75 %	80 %	2.8	33	✗	✗	✗
TYPICAL POLYCARBONATE	55 %	68 %	1.8	25	✗	✗	✗
GLASSCRAFT AZURE BLUE	30 %	40 %	1.4	33	✓	✗	✓
GLASSCRAFT CLEAR	35 %	70 %	1.4	33	✓	✗	✓
SOLAR+	25 %	45 %	<1.1	33	✓	✓	✓

The values shown are for guide purposes, values will vary on glazing systems and the angle/position of the glazing

SO WHAT DOES THIS MEAN?

Solar Factor is the total transmittance of radiant heat through the unit, measured as a percentage. The lower the solar factor, the cooler and more comfortable the room will be during the summer months.

Light Transmission is the percentage of visible light able to pass through the glass unit. The lower the light transmission the lower the glare within the room.

The U-Value is the heat transmitted through the glass unit. The lower the U-Value, the lower the heat loss and the warmer the room will be in winter.

Sound reduction is performance measured by examining the decibel reduction (dBa) achieved across the roof from external to internal. The higher the dBa, the higher the sound insulation.

From these measures, it is demonstrated that **Glasscraft** in every case and measure, outperforms both typical polycarbonate and standard double glazing.