

## PRODUCT DATA SHEET PC35-SG 35MM SOLARGUARD POLYCARBONATE

### GENERAL DESCRIPTION

35mm Solarguard Polycarbonate is characterised by the heat reflecting properties provided through incorporation of a reflective material. Conservatories, for examples, with clear polycarbonate roofs when facing south can experience considerable solar gain, particularly in the summer. This special heat reflective sheet detects sunlight and reduces solar gain by up to 50% over clear material. The opal coloured underside creates an aesthetically pleasing ceiling surface that diffuses the incoming light. 35mm Solarguard has a co-extruded UV protection layer on one side.

Colours	Light Transmission
Solarguard (PC35-SG)	4%

Standard Sheet Sizes	
Maximum Width:	2100mm
Length:	6 & 7m (and CTS)
Thickness:	35mm

Nominal Sheet Weight:	3.4 kg/m <sup>2</sup>
U-value	1.2 W/m <sup>2</sup> °K

### SERVICE TEMPERATURE

35mm Solarguard can be installed in a diversity of applications, with varying temperatures. The materials mechanical performance is known to remain stable in prolonged service in temperatures ranging from -20 to +100 °C.

### INSTALLATION

Applications of the 35mm Solarguard must make adequate allowance for thermal movement, nominally 3.5mm per metre. This sheet is not recommended for curved applications.