# SUNPAL POLYCARBONATE GLAZING SYSTEM Data Sheet



Our Sunpal® polycarbonate glazing systems are designed to cover your large or small projects with a high-quality, robust roof system.

Featuring multi-wall polycarbonate panels and aluminium glazing bars, this duo really is the perfect roof system for your project.

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## Weather Protection:




## Features:

| | |
|---|---|
| **Suitable for:** | Education \| Hospitality \| Leisure \| Retail \| Commercial \| Healthcare |
| **Maintenance:** | Requires only periodic cleaning |
| **Availability:** | The polycarbonate glazing system can be added to your existing structure |
| **Warranty:** | Comes with a comprehensive 15-year warranty for added assurance and reliability |

## Specifications:

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| **Panel Material:** | Available in a choice of 8mm, 10mm, 18mm and 20mm thick multiwall polycarbonate |
| **Frame Material:** | The roof bars are constructed from aluminium |
| **UV Protection:** | Up to 99.9% \| The roof panels will not turn yellow over time due to UV degradation |
| **Light Transmission:** | 20% - 90% depending on the polycarbonate colour chosen |
| **Strength:** | 250 times the impact strength of glass and 30 times the impact resistance of acrylic |
| **Colour Options:** | The polycarbonate is available in clear and opal |
| **Thermal Transmittance:** | The polycarbonate sheet provides a thermally insulating glazing solution, achieving U-values 2.45 to 1.50 Watts/m²·K depending on the thickness |

## International Standards:

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| **Fire Ratings:** | The polycarbonate sheets achieve European standard EN 13501 B, s1, d0 (dependent on the panel thickness) |
| **Strength Tests:** | The panels have a tensile strength at yield of D-638 with conditions of 10 mm/min MPa 62 |
| **CE Marked:** | Yes |
| **Quality Assured:** | Tested and warranted systems manufactured to ISO 9001:2000 quality standard ensures high product performance |

## Polycarbonate Colour Options:

Clear

White Opal

## Technical Files Available:

| | |
|---|---|
| PDF CAD File | × |
| DXF CAD File | × |
| IGES CAD File | × |
| STL CAD File | × |
| BIM File | ✓ |
| NBS Spec | ✓ |

| Type | Panel Data | Drawing |
|---|---|---|
| SUNPAL® 8/600 Lite | Width: 600mm<br>Height: 23.5mm<br>Height with Polycarbonate Joiner: 31mm<br>Weight: 1.11 Kg/m, 1.83 Kg/m²<br>Min. cold bending radius: 2.0m |  |
| SUNPAL® 8/600 | Width: 600mm<br>Height: 23.5mm<br>Height with Polycarbonate Joiner: 31mm<br>Weight: 1.24 Kg/m, 2.00 Kg/m²<br>Min. cold bending radius: 2.0m |  |
| SUNPAL® 10/600 | Width: 600mm<br>Height: 25.5mm<br>Height with Polycarbonate Joiner: 33mm<br>Weight: 1.56 Kg/m, 2.60 Kg/m²<br>Min. cold bending radius: 2.4m |  |
| SUNPAL® 18/1000 | Width: 1000mm<br>Height: 33.5mm<br>Height with Polycarbonate Joiner: 41mm<br>Weight: 3.11 Kg/m, 3.11 Kg/m²<br>Min. cold bending radius: 3.0m |  |
| SUNPAL® 20/1000 | Width: 1000mm<br>Height: 35.5mm<br>Height with Polycarbonate Joiner: 43mm<br>Weight: 3.19 Kg/m, 3.19 Kg/m²<br>Min. cold bending radius: 3.0m |  |


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