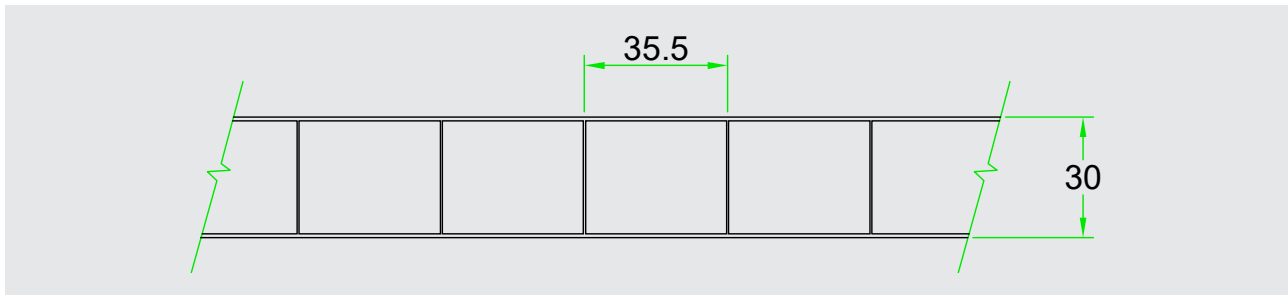
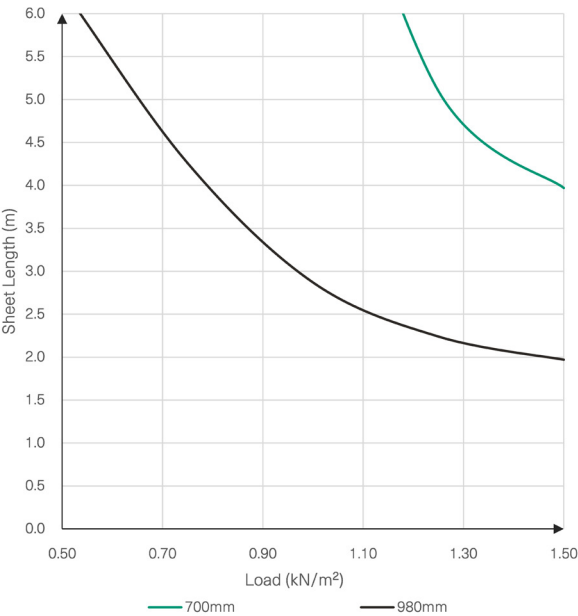


**Marlon  
ST**

**Structured Sheet**  
Polycarbonate 30mm Twinwall 3.5kg/m<sup>2</sup>



Load (kN/m <sup>2</sup> )	Sheet Width	
	700mm	980mm
0.50		
0.75		4.26
1.00		2.87
1.25	5.10	2.24
1.50	3.97	1.97
Safe span figures are based on 20mm edge engagement plus a safety factor of 1.2.		



Transmission			Product Characteristics		Tolerances
Colour	Light	Solar	Width	980mm	-0/ +8mm
Clear (S)	77%	-	Length	Up to 5m	-0/+10mm
Bronze	18%	-		Over 5m	-0/+25mm
Opal (V)	37%	-	Thickness	30mm	+/- 0.5mm
Non-standard colours and sheet sizes are available subject to minimum order quantities.			Sheet Weight	3.5kg/m <sup>2</sup>	
			U Value	2.56W/m <sup>2</sup> K	
			Min Curve Radius	5.25m	



[brettmartin.com](http://brettmartin.com)

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# Marlon ST

## Structured Sheet Polycarbonate 30mm Twinwall 3.5kg/m<sup>2</sup>

**Marlon ST** is the multiwall polycarbonate sheet manufactured by Brett Martin. The sheet is characterised by high optical clarity, light transmission, impact resistance and durability. It is available in a range of standard sizes, clear and tinted. Marlon ST has a coextruded UV protection layer on one side.

### Warranty

There is 10 year limited warranty against loss of light transmission, yellowing and weather impact available for this product.

### Quality

Manufactured under ISO 9001:2015 to EN 16153:2013+A1:2015.

### Handling & Safety

Do not step directly on the rooflight. Use stepping boards. Work according to local safety regulations.

### Storage

Store in a shaded place, protect from direct sunlight and rain prior to installation. Avoid covering the sheets with heat absorbing materials. Avoid contact with chemicals. Protect the sheets from physical damage. Pallets should be stacked no more than three pallets high.

### Installation

Make adequate allowance for thermal movement, nominally 3.5mm per metre. Holes drilled for fixings must be oversized. Sheet lengths must be limited to ensure there is no excessive movement at the end laps.

### Service Temperature

Marlon ST mechanical performance is known to remain stable for prolonged service in temperatures ranging from -20 to +100°C (Short term unstressed -40 to +130°C).

### Maintenance

In order to maintain this product in good condition it should be cleaned periodically using suitable detergent cleaning agents. Do not use solvent cleaners. Do not scrub with brushes or sharp implements. Avoid cleaning in hot sun or high temperatures.

### Recycling

Marlon ST is 100% recyclable and reusable if separated from other materials at the end of its life cycle. Polycarbonate is a widely recycled material - contact your local recycling centre for more information.

### Additional Information

Separate datasheets are available; please contact the Technical Department for the most current information.