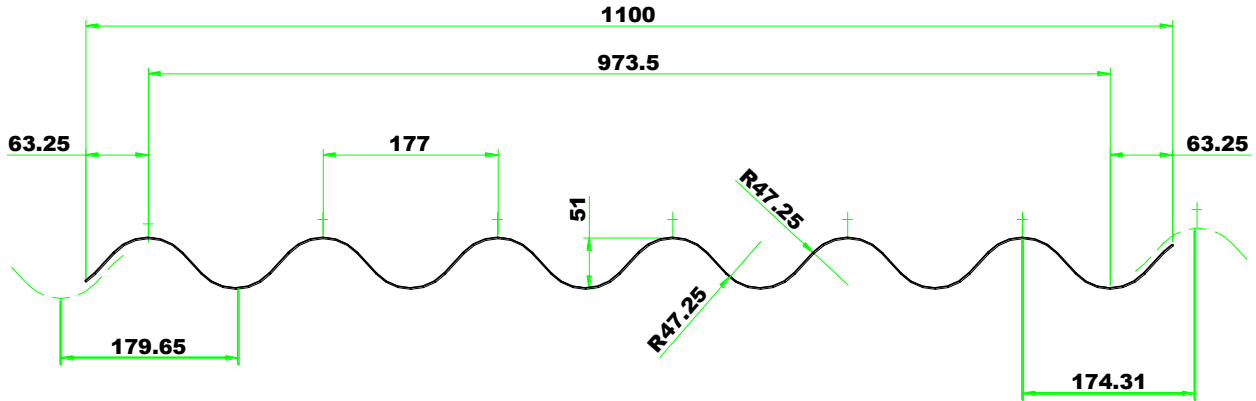
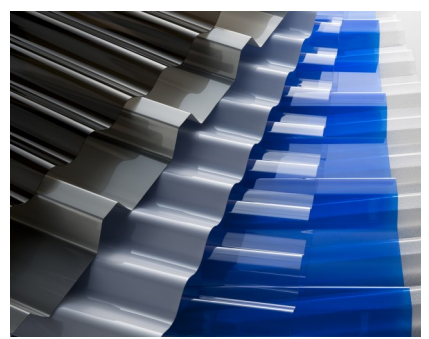


# marlon<sup>cs</sup>

LONGLIFE

P0007\_177 x 51\_1.0mm

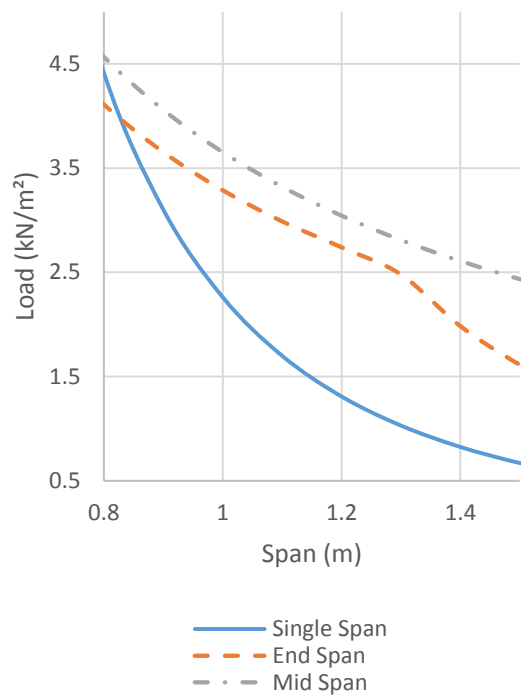


Span/Load Table

Load (N/m <sup>2</sup> )	Single Span (m)	End Span (m)	Mid Span (m)
500	1.65	2.22	2.83
600	1.56	2.09	2.66
700	1.48	1.99	2.53
800	1.41	1.90	2.42
900	1.36	1.83	2.32
1000	1.31	1.77	2.24
1100	1.27	1.71	2.17
1200	1.24	1.66	2.11
1300	1.20	1.62	2.06
1400	1.17	1.58	2.01
1500	1.15	1.54	1.96

Safe span figures are based on a deflection limit of span/30 plus a safety factor of 1.2. It is assumed that the profile is crown fixed with at least six fixings at all purlins, including metal end laps onto the rooflight.

Load/Span



### Transmission

Colour	Light	Solar
Clear	88%	85%
Bronze	32%	64%
Opal	46%	55%
Diffusing	73%	74%
Heatguard	7%	30%

### Product Characteristics

	Tolerances
Width	1100mm +/- 5 mm
Length	Up to 5 m -0, +10 mm Over 5 m -0, +25 mm
Thickness	1.0mm -0.05, +0.05 mm
Sheet Weight	1.45Kg/m <sup>2</sup>
U Value	5.72 W/m <sup>2</sup> K



This information is given in good faith & is believed by Brett Martin Ltd to be accurate & reliable. Since the use of this information is not within Brett Martins control, no warranty, expressed or implied is given. It is the users' responsibility to determine whether the product is appropriate for their purpose.

Brett Martin Ltd. pursues a policy of continuous product development and reserves the right to amend specification without notice.

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**MARLON CS** is the high performance profiled polycarbonate roof sheet manufactured by Brett Martin. The sheet is characterised by high optical clarity, light transmission and exceptional impact resistance. It is available in a range of standard profiles and thickness, clear and tinted. The sheet has a co-extruded layer on the outer surface of the sheet which forms a barrier resistant to the detrimental effects of UV light, minimising long term yellowing and maintaining mechanical properties.

#### **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: 2008 to EN 1013: 2012

#### **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.

#### **Installation**

Make adequate allowance for thermal movement. 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**

For stable prolonged service ranging from  $-20^{\circ}\text{C}$  to  $100^{\circ}\text{C}$ . (Short term unstressed  $-40^{\circ}\text{C}$  to  $130^{\circ}\text{C}$ )

#### **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.



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