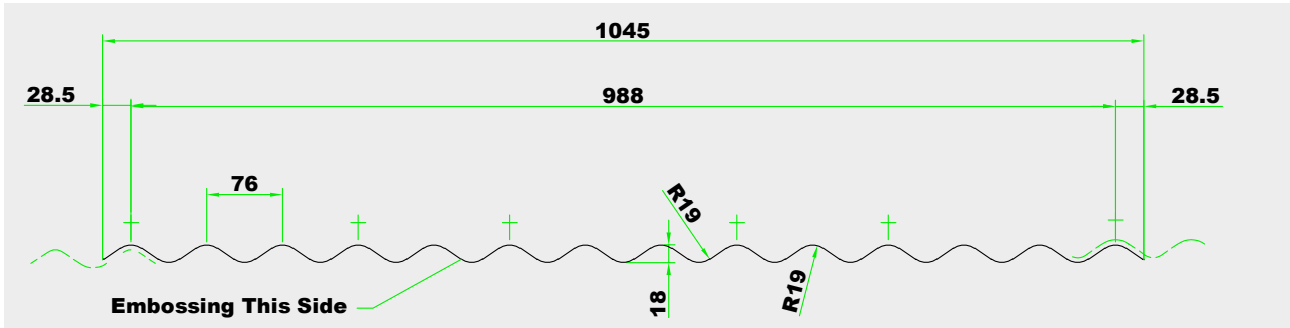


Marlon CS

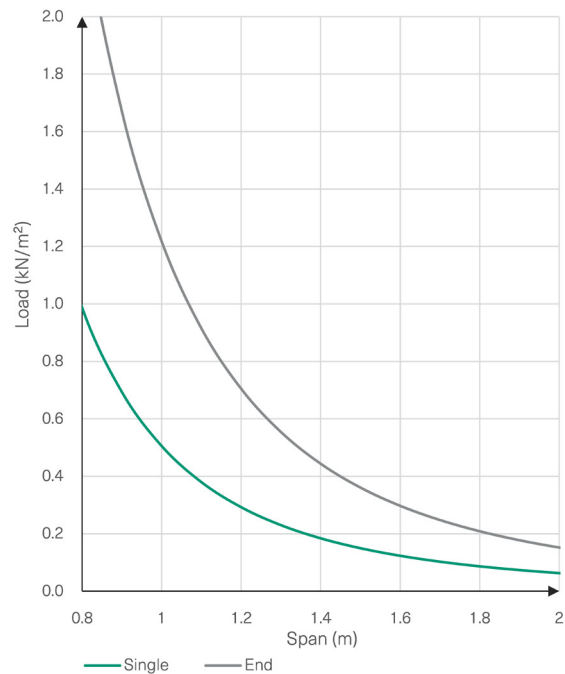
Polycarbonate Corrugated Sheet Crystalight 1944 2.6mm 77 X 18 X 1045 Iron



Span/Load Table

Load (kN/m ²)	Single Span (m)	End Span (m)
500	1.00	1.35
600	0.94	1.27
700	0.90	1.21
800	0.86	1.15
900	0.83	1.11
1000	0.80	1.07
1100	0.77	1.04
1200	0.75	1.01
1300	0.73	0.98
1400	0.71	0.96
1500	0.70	0.94

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.



PLASTICSHEETS

PLASTICSHEETS

Transmission

Colour	Light	Solar
Clear	78%	52%
Bronze	46%	39%
Grey (GA)	68%	46%

Non-standard colours and sheet sizes are available subject to minimum order quantities.

Product Characteristics

Width	1045mm	+/- 5mm
Length	Up to 5m	-0 /+10mm
	Over 5m	-0 /+25mm
Thickness	2.6mm	+/- 0.05mm
Sheet Weight	2.67 kg/m ²	
U Value	5.48 W/m ² K	
Options:	Double sided UV protection	

Tolerances



brettmartin.com

Marlon CS

Polycarbonate Corrugated Sheet Crystalight1944 77 X 18 X 1045 Iron 2.6mm

Marlon CS is a high quality, extruded, corrugated polycarbonate sheet with a co-extruded UV resistant coating manufactured by Brett Martin. Combining strength and impact resistance with high optical clarity and light transmission, this lightweight rooflight material is ideal for applications which require high performance characteristics. Marlon CS rooflights can be used to form complete roof coverings or can be incorporated into any corrugated metal roofing and cladding system, ranging from simple single skin to advanced composite panel.

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 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. 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 CS 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 CS is 100% recyclable and reusable if separated from other materials at the end of its life cycle - contact your local recycling centre for more information.

Additional Information

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