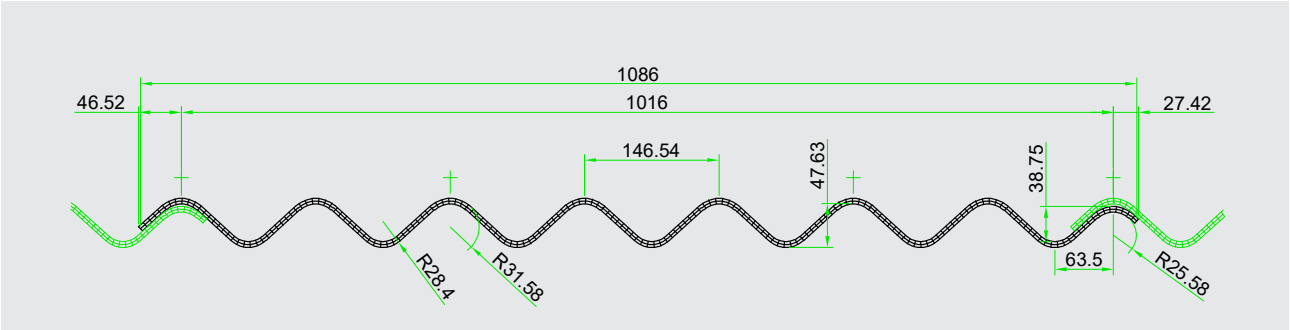




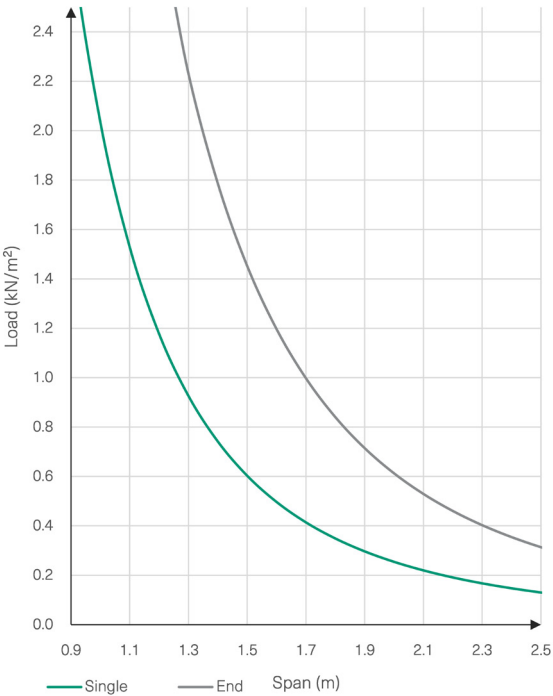
Polycarbonate Corrugated Structured Sheet
PCST 0006 6.0mm Big Six



Span/Load Table

Load (kN/m ²)	Single Span (m)	End Span (m)
700	1.32	1.78
800	1.26	1.70
900	1.22	1.64
1000	1.17	1.58
1100	1.14	1.53
1200	1.10	1.49
1300	1.08	1.45
1400	1.05	1.41
1500	1.03	1.38
1600	1.00	1.35
1700	0.98	1.32

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 four fixings at all purlins, including metal end laps onto the rooflight.



Transmission

Colour	Light	Solar
Clear	79%	75%
Opal	38%	44%
Heatguard (RG)	10%	10%
Heatguard (EGWR)	20%	18%
Heatguard (COQ)	36%	32%

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

Product Characteristics

Width	1086mm	+/- 5mm
Length	Up to 5m	-0 / +10mm
	Over 5m	-0 / +25mm
Thickness	6.0mm	+/- 0.05mm
Sheet Weight	2.00 kg/m ²	
U Value	3.33 W/m ² K	
Options:	Double sided UV protection, Mitred corners, heat sealed edges	

Tolerances



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Polycarbonate Corrugated Structured Sheet

PCST 0006 Big Six 6.0mm

Marlon CST corrugated multiwall polycarbonate sheet provides all the durability and impact resistance of corrugated polycarbonate sheet with the added insulation and rigidity provided by the multiwall structure. Co-extruded UV protection provides resistance against the effects of UV weathering. Marlon CST can be used with fibre cement sheeting or as a complete roof and wall cladding material.

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 CST 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 CST 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.

PLASTICSHEETS

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