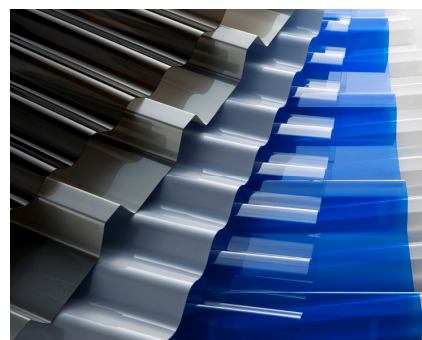




CORRUGATED POLYCARBONATE



MARLON CS Longlife 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.

Colours:	Light Transmission:
	DIN 5036
Bronze (A)	32%
Clear (S)	88%
Heatguard (EG)	7%
Opal (EF)	46%
Opal Diffuser (US)	73%

*Non-standard colours are available subject to minimum order quantities.

Standard sheet sizes:	
Width:	Up to 1260mm
Length:	As required
Thickness:	0.8mm – 2mm

*Non-standard sizes are available subject to minimum order quantities.

Sheet Weight: 1.2 kg/m²

U-value: 5.72 W/m²K (1mm)

Service Temperature

MARLON CS Longlife can be installed in a diversity of applications, with varying temperatures. The material's mechanical performance is known to remain stable in prolonged service in temperatures ranging from –20 to +100 °C. (Short term unstressed –40 to +130 °C)

Installation

Applications of MARLON CS Longlife must make adequate allowance for thermal movement. Adequate clearance must be allowed in the holes drilled for fixing and sheet lengths have to be limited so that there is not excessive movement at the end laps.

Fire Performance:

The fire performance of MARLON CS Longlife has been independently tested. For the most up to date certification please contact the technical department.

Venting:

An important feature of MARLON CS Longlife is that its softening point is below 200°C. When a fire in a building is underneath a MARLON CS Longlife sheet it will soften and open allowing smoke, heat and gases produced by the fire to escape. This 'venting' property means that damage within the building can be reduced.



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

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