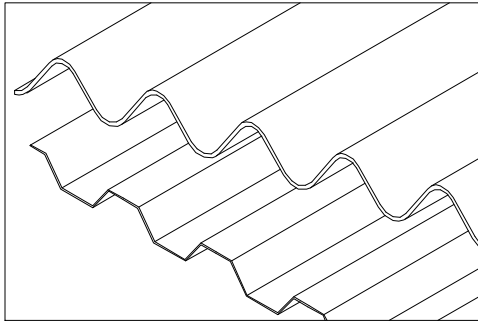


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Marlon CS[®]

Corrugated Polycarbonate

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.

Service Temperature

MARLON CS 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.

Installation

Applications of MARLON CS 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 has been independently tested and the following classification obtained:
 FRANCE NF P 92-507, CLASS M1
 GERMANY DIN 4102: Part 1: CLASS B1
 ITALY UNI 9174, 9176: Class 1

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 sheet it will soften and open allowing smoke, heat and gases produced by the fire to escape reducing the damage to the property.

Warranty:

Marlon CS is covered by a 10-year warranty against loss of light transmission and yellowing and a 3-year warranty against breakage. (For full details see warranty leaflet.)

Colours:	Light Transmission:
	DIN 5036
Bronze (A)	32%
Blue (LM)	11%
Clear (S)	88%
Green (CF)	27%
Heatguard (EG)	7%
Opal (EF)	46%

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

Standard sheet sizes:		Tolerance:
Width:		+/- 5 mm
Length:	Up to 5 m	-0, +10 mm
	Over 5 m	-0, +25 mm
Thickness:		+/- 0.05 mm

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

Sheet Weight: 1.2 kg/m²
U-value: 5.7 W/m² °K