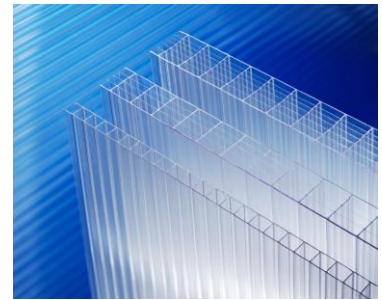


## marlon<sup>st</sup> LONGLIFE STRUCTURED POLYCARBONATE SHEET



### 8mm Twinwall Heatguard

**MARLON ST** is the multiwall polycarbonate sheet manufactured by Brett Martin. The sheet is characterised by high optical clarity, light transmission, impact resistance and durability. It is available in a range of standard sizes, clear and tinted. MARLON ST Longlife has a co-extruded UV protection layer on one side.

The sheet is characterised by the heat reflecting properties provided through incorporation of a reflective material. Conservatories, for example, with clear polycarbonate roofs when facing south can experience considerable solar gain, particularly in the summer. This special heat reflective sheet deflects sunlight and reduces solar gain by up to 50% over clear material.

Colours	Light transmission
	DIN 5036
Clear (S)	82%
Heatguard (EG)	14%

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

### Standard sheet sizes

Maximum Width	2100 mm
Length	6 & 7 m (and as required)
Thickness	8mm

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

Nominal Sheet Weight	1.5 kg/m <sup>2</sup>
U-value	3.4 W/m <sup>2</sup> K

### Service Temperature

MARLON ST 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 ST must make adequate allowance for thermal movement, nominally 3.5 mm per metre. The minimum curve radius for 8 mm Twinwall sheet is 1400 mm.

### Solar Performance

The solar energy transmission is measured according to ASTM E 1175 and EN410. The shading coefficient is calculated according to ASTM E 891.

Colour	Solar Energy Trans.	SHGC
Clear (S)	80%	0.79
Heatguard (EG)	15%	0.35

### Fire Performance

The fire performance of MARLON ST 8mm Twinwall has been independently tested. For the most up to date certifications please contact the Technical department.



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

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