



marlon st[®]

LONGLIFE

32mm XX wall

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.

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. 32mm multiwall sheet is not recommended for curved applications.

Fire Performance

For the most up to date certifications please contact the Technical department.

Colours:	Light Transmission:
	DIN 5036
Clear (S)	64%
Opal (V)	40%
Bronze (B)	11%

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

Standard sheet sizes:	
Maximum Width:	1250 mm
Length:	6 m (and as required)
Thickness:	32 mm

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

Nominal Sheet Weight: 3.8 kg/m^2
U-value: $1.4 \text{ W/m}^2 \text{ }^\circ\text{K}$

Solar Properties:

Colour	Direct Solar Energy Transmission	Solar Energy Reflectance	Shading Coefficient	Solar Heat Gain Coefficient	Solar Factor
Clear	61	27	0.74	0.64	64%
Bronze	20	11	0.44	0.38	39%
Opal	36	33	0.51	0.44	44%