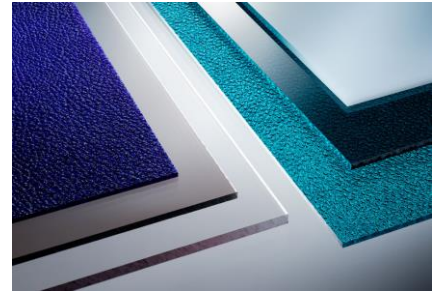


marlon fs

FLAT SHEET POLYCARBONATE



MARLON FS is the extruded polycarbonate flat sheet manufactured by Brett Martin. The sheet is characterised by high optical clarity, light transmission, impact resistance and durability. The designation FS is used for sheets without UV protection for internal use, FSX is used for sheets with UV protection on both sides. The sheets are available as gloss or embossed. A range of standard widths and thickness are available in clear and colours.

Colours:	Light Transmission: DIN 5036 (3mm)
Clear (S)	92%
Bronze (CE)	50%

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

Standard sheet sizes:	
Width:	Up to 2050 mm
Length:	As required
Thickness:	2 – 12 mm

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

Sheet Weight: 3.6 kg/m² (3mm)
U-value: 5.41 W/m²K (3mm)

Service Temperature

MARLON FS 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 +120°C).

Installation

Applications of MARLON FS must make adequate allowance for thermal movement, nominally 3.5 mm per metre.

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 ends. 3mm sheets can be cold curved down to a minimum radius of 450mm. For good design practice it is advised that a 3mm flat sheet not be curved below 525mm. It is essential that compatible gaskets or silicon be used in installation.

Fire Performance

The fire performance of MARLON FS has been independently tested. The current test reports can be obtained from the technical department.

Print Preparation

Lukewarm water and ordinary non-abrasive household detergent and a sponge or soft cloth is normally sufficient, however for degreasing and cleaning prior to secondary operations the following solvents are suitable: ethanol, isopropanol and white kerosene.

Static

Rinsing the surface with water or antistatic cleaning agent can reduce static charge. Another method is to blow down the sheet with ionised air. The effect of this treatment is short term but usually sufficient for subsequent operations.



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

Brett Martin Ltd., 24 Roughfort Road, Mallusk, Co. Antrim, N. Ireland, BT36 4RB.
 Tel: +44 (0)28 9084 9999 Fax: +44 (0)28 9083 6666 E-mail: technical@brettmartin.com

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