DESIGNING FORDAYLIGHT

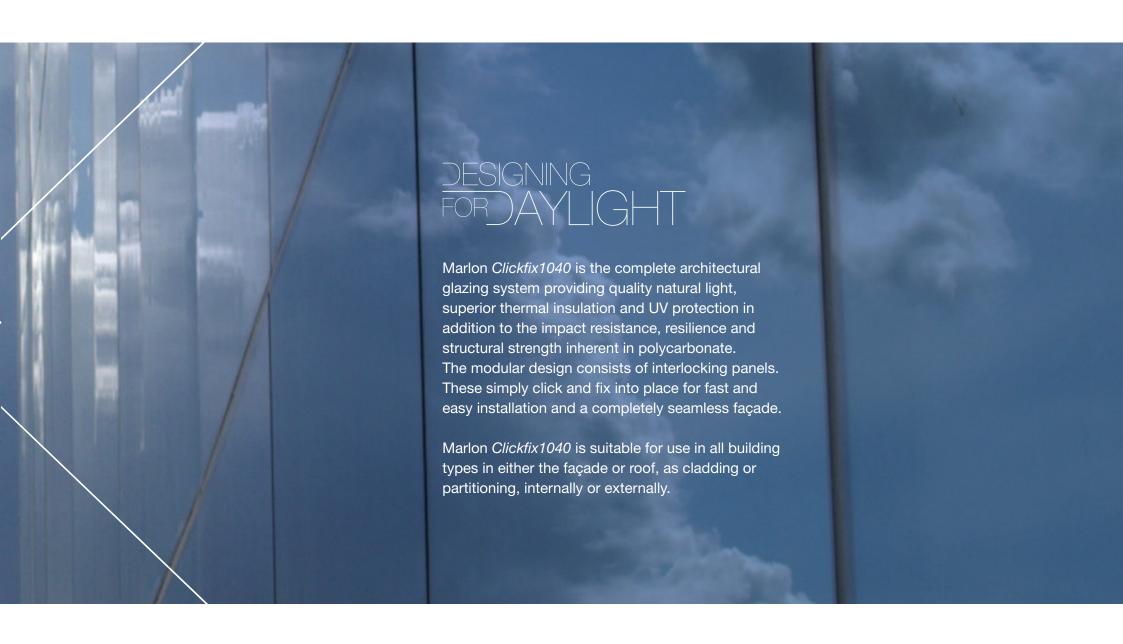


































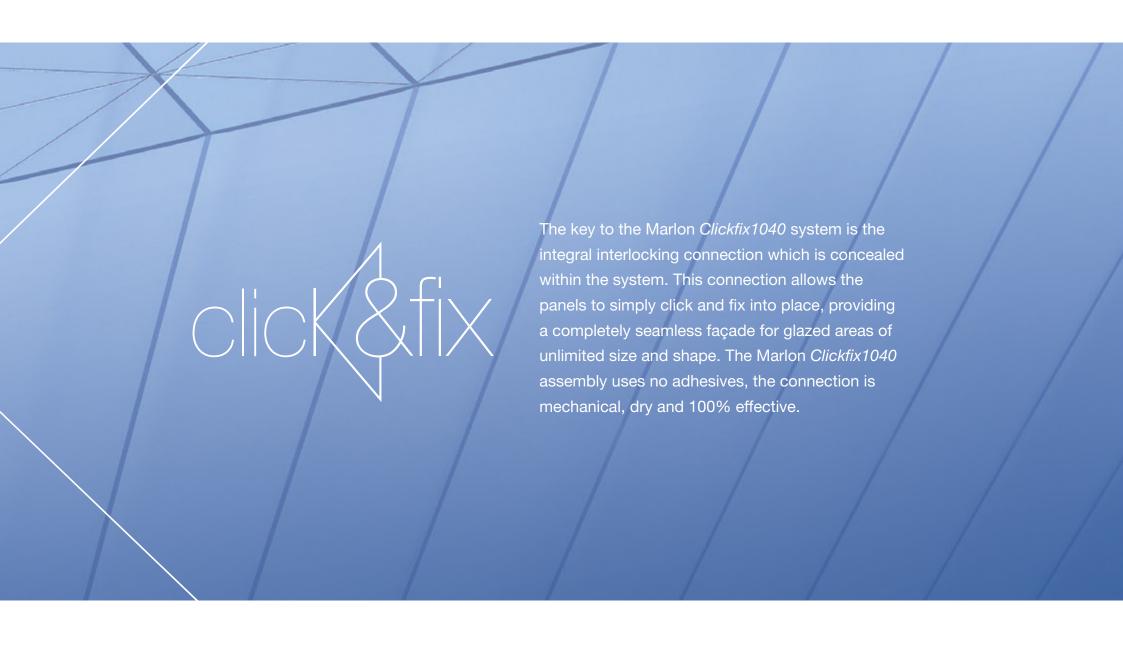
hexith Evvellbeing

Marlon *Clickfix1040* admits good quality natural daylight which is particulary beneficial to the well-being and performance of those who occupy the building. Research proves what common sense suggests, that improved natural daylight has important physiological benefits resulting in brighter students, increased industrial productivity, higher retail sales and healthier, more productive livestock.

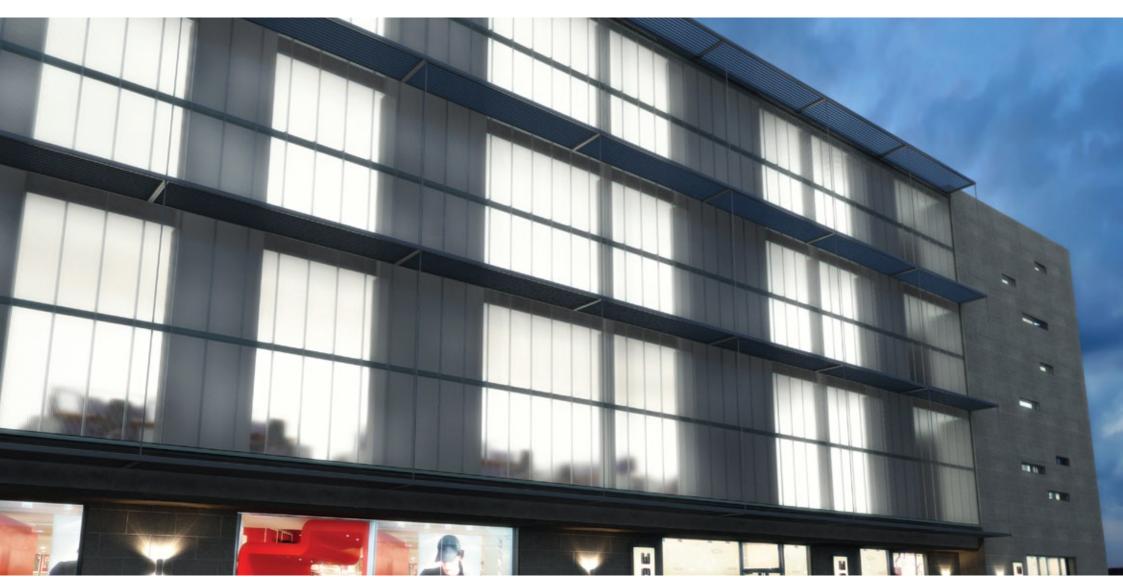














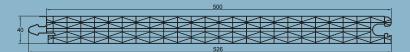


FOR AYLIGHT System components and product range.



Marlon Clickfix1040 Panel

The Marlon *Clickfix1040* panel is manufactured from insulating multiwall polycarbonate sheet with a click and fix interlocking connection providing a completely seamless glazing solution.



Marlon *Clickfix1040* Panel Properties

Property	Value	
Panel Structure	10 wall	
Panel Thickness	40mm ±0.5mm	
Modular Width	500	
Overall Width	526	
Panel Length	≤ 5m -0 +10mm	
	> 5m -0 +25mm	
U Value	0.99 W/m²K	
Hail Impact	Diam. 20mm v≥21m/sec	
Temperature Resistance	-40 up to +100	
Linear Thermal Expansion	6.8 x 10 ⁻⁵ m/m°C	
Impact Resistance	Class B ACR (M)	
Recommended Minimum Pitch	10°	

Marlon Clickfix1040 Panel Colour Options

The Marlon Clickfix1040 polycarbonate panels are available in a choice of standard colours including clear, glass clear and light diffusing.

A full palette of non standard colours are available on request subject to order quantity.

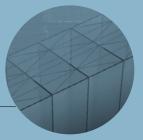


DESIGNING FORDAYLIGHT



The Marlon *Clickfix1040* architectural glazing system offers a complete suite of accessories for quick and easy installation.

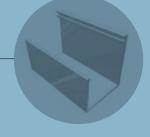




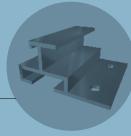
Translucent 40mm, 10 wall structured polycarbonate 500mm wide panels



Integral extruded interlocking click and fix connection points



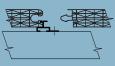
Aluminium channels for framing the recess, option available for channels with thermal breaks for a fully thermally broken system



Clips for secure attachment to purlins



Locate Clip on edge of sheet



Secure Clip to purlin



Insert next panel



Upper and Side Channel	
Base Channel	
Thermally Broken Upper and Side Channel	
Thermally Broken Base Chanel	
Base Channel with Sill	
Two Part Aluminium Channel	•
Purlin Clip	
Gaskets	
	3.
	_





Marlon Clickfix1040 Mechanical Properties

Strength & Damage Resistance

Damage to glazing can be hazardous and expensive but Marlon *Clickfix1040* manufactured from Marlon ST Longlife offers excellent protection against hailstones, vandalism and accidental damage with an impact resistance up to 200 times greater than glass. This characteristic is maintained over a broad temperature range and prolonged service life. The Marlon *Clickfix1040* panel will retain its physical properties in extreme weather conditions making it an ideal glazing system throughout the world. Marlon *Clickfix1040* can withstand temperature extremes from -40°C to 100°C (-40 to 212°F) long term and up to 130°C short term. No other glazing material can offer this combination of impact resistance and wide working temperature range.

UV Protection

Marlon *Clickfix1040* has a high performance UV absorption layer, co-extruded on the outer surface of the panel. This protective layer prevents damaging UV radiation from penetrating the sheet for long term optical clarity and mechanical strength.

Natural Light Energy

With a light transmission of 54% for clear panels and a low insulation value of 0.99 W/m²K, Marlon *Clickfix1040* maximises the use of natural light energy. The highly insulating properties of the panel help regulate the temperature of the internal environment for more efficient heating and cooling systems. In addition the panel allows natural light to penetrate the building, reducing the need for artificial lighting. This use of natural light energy reduces CO² emissions and the environmental impact of a building.



Marlon *Clickfix1040* Mechanical Properties

Chemical Resistance

Polycarbonate has good resistance to many chemicals (with the exception of solvents and strong alkalis) so is often suitable for use in aggressive environments.

Fire Performance

Marlon *Clickfix1040* exhibits excellent fire performance and in the event of a fire it will soften and open, allowing smoke, heat and gases produced by the fire to escape. This 'venting' property means that damage within buildings can be limited. For details of fire ratings please contact our Technical department.

Warranty

Marlon *Clickfix1040* is manufactured under Quality Management Systems registered to BS EN ISO 9001:2008. The panel carries a 10 year warranty. For full warranty details please contact our Technical department.





Marlon Clickfix1040 General Guidelines

Sealing

It is recommended that the ends of the Marlon *Clickfix1040* panel are sealed to minimise the build up of moisture or dust contamination within the channels. A sealing tape, preferably aluminium, is applied at the top of the sheet to prevent ingress of moisture, dust and insects. A breather tape applied to the bottom end of the sheet permits air to move freely in and out of the sheet, helping minimise condensation.

Thermal Expansion

In practical terms it is necessary to allow 3.5mm per linear metre between the top edge of the panel and the glazing profile.

Cleaning

As a condition of ensuring that Marlon *Clickfix1040* performs at optimum throughout its service life, it is recommended that the sheet be cleaned periodically using suitable household cleaning agents as follows:

- Use lukewarm water to rinse sheet and soften dirt.
- Make up a solution of lukewarm water and ordinary household cleaner or a mild soap and use this to wash sheet.
- A sponge or soft cloth should then be used to gently remove dirt and grime.
- The cleaning process should then be repeated and the sheet rinsed and dried with a soft cloth.
- For larger areas clean the surface with a high-pressure water cleaner (max. 100bar or 1,450psi).

Warning

Care should be taken to observe the following precautions:

- 1. Do not scrub Marlon Clickfix1040 sheet with brushes or sharp instruments.
- 2. Avoid contact with the UV protected surface of Marlon *Clickfix1040* by Butyl Cellosolve, Isopropanol or any other solvent.
- 3. Avoid any abrasives or cleaners of a highly alkaline composition.

It is generally advisable in all instances to test any cleaner on a sample piece of Marlon *Clickfix1040* first and it should also be remembered that cleaners and solvents which state that they are suitable for cleaning polycarbonate may not be safe for use on the UV protective surface of Marlon *Clickfix1040*.

- Architectural glazing panels
- U value 0.99 W/m²K
- Simple to click and fix into place
- Full range of accessories
- Option for a fully thermally broken system
- Thermally insulating
- Excellent light transmission
- Minimal solar gain
- Reduction in energy use
- Lower C0² emissions
- Available in a range of tints
- Suitable for digital and screen print processing
- Colour fastness and UV stability
- Lengths up to 13m
- Fire performance
- Lightweight and durable
- Impact resistance 200 times greater than glass
- Manufacturing sites are ISO9001:2008 accredited
- Fully recyclable



Plastic Sheets

Head Office and Global Sales:

Brett Martin Ltd

24 Roughfort Road Mallusk, Co. Antrim UK BT36 4RB TEL:+44 (0) 28 9084 9999 FAX: +44 (0) 28 9083 6666 Email: mail@brettmartin.com



Daylight Systems

UK and Ireland Sales Enquiries

Brett Martin Daylight Systems Ltd

Sandford Close
Aldermans Green Industrial Estate
Coventry, West Midlands
CV2 2QU
TFI · +44 (0) 24 7660 2022

FEL: +44 (0) 24 7660 2022 FAX: +44 (0) 24 7660 2745 Email: daylight@brettmartin.com

For the latest information visit the company's website

www.brettmartin.com



DC ENTRO ANALONIS

All reasonable care has been taken in the compilation of the information contained within this literature. All recommendations on the use of our products are made without guarantee as conditions of use are beyond the control of Brett Martin. It is the customer's responsibility to ensure that the product is fit for its intended purpose and that the actual conditions of use are suitable.

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