



## NBS Specification Clause – Marlon Clickfix RL

Consult Brett Martin Daylight Systems early in the design process as we can provide in-depth assistance with design and specification.

Marlon Clickfix1040 is a complete architectural glazing system providing quality natural light, superior thermal insulation and UV protection in addition to the impact resistance, resilience and structural strength inherent in polycarbonate. It comprises a 40mm multiwall polycarbonate panel with insulating internal walls. The modular design consists of interlocking panels which simply click and fix into place with a choice of aluminium framing extrusions to suit different applications.

Marlon Clickfix RL is a thermally broken aluminium framed system for use in low pitch rooflights and canopy applications. The cleverly designed frame comprises an inner base with separate outer cap which very simply clicks together for swift and secure installation. This combines beautifully with the click and fix mechanism of the Marlon Clickfix1040 modular multiwall polycarbonate glazing panels for seamlessly glazed rooflights and canopies with no visible fixings.

Marlon Clickfix RL is suitable for use in a number of low pitch rooflight applications including freestanding rooflights supported by an upstand or builder's kerb, abutment rooflights with adjoining wall and in-plane rooflights sitting virtually flush into the roof surface. Marlon Clickfix RL is also suitable for northlights and canopies.

Consult Brett Martin Daylight Systems technical literature for further details.



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<b>Manufacturer:</b>	Brett Martin Daylight Systems Ltd., Sandford Close, Aldermans Green Industrial Estate, Coventry, CV2 2QU. Tel: 024 7660 2022 Fax: 024 7660 2745. <b>Email:</b> daylight@brettmartin.com <b>Web:</b> www.daylightsystems.com
<b>Product ref:</b>	Marlon Clickfix RL
<b>Type:</b>	Thermally broken, highly insulating, Rooflight and Canopy Glazing System, utilising an aluminium perimeter framing system glazed in Marlon Clickfix 1040 500mm wide panels making for clean aesthetics with no glazing bars or visible fixings. Manufactured in the UK using systems independently accredited to ISO9001 and ISO14001.
<b>Size:</b>	External Upstand size: Run Length [XXXX] mm x Slope Length [XXXX] mm. Maximum slope length typically 6000mm but longer lengths are possible - consult BMDS for slope lengths greater than 6000mm. Minimum pitch 5 degrees.
<b>Frame:</b>	Frame thermally isolated from the internal environment. Comprising inner base and separate outer cap, with a click together join providing swift and secure installation with no visible fixings for a clean aesthetic. Two inner aluminium frames are available to allow the system to be used freestanding on a typical builders kerb or at a wall abutment (with structural support), with these options available on any combination of top and sides.
<b>Finish:</b>	<b>Mill Finish / Polyester Powder Coated to RAL XXXX, Gloss / Semi-gloss / Matt Finish</b> (consult BMDS for our standard RAL colour options or Marine Finish / Special RAL Colours)
<b>Kerb:</b>	Upstand (by others) to be constructed in accordance with BMDS standard details for Marlon Clickfix RL. Min 75mm wide for freestanding upstands, Min 100mm wide for verge abutments and min 150mm for ridge abutments. Minimum 150mm height upstand when a builder's kerb is being used on a flat roof. Upstand top face to be free of protrusions and in same plane and angle as Marlon Clickfix RL rooflight. If insulated upstand then top face must be structurally capped. If using very thick insulation then perimeter frame brackets can be used. Upstand to be structurally suitable for the site conditions and wind/snow loadings etc. For further details consult BMDS.
<b>Glazing Details:</b>	Colour: <b>Glass Clear / Pearlescent</b> (other colours available, for further details consult BMDS) Glazing panel: 40mm thick, 10 wall structured polycarbonate, UV protected 500mm module width panel Light Transmission: Glass Clear 52% or Pearlescent 44% G-value: Glass Clear 0.42 or Pearlescent 0.28 U-value: 0.99 W/m <sup>2</sup> K Fire Rating: Class B-s1, d0 to EN13501-1
<b>Other Requirements:</b>	Non-fragility: Class B non-fragile to ACR[M]001 when installed at supporting purlin centres up to 1800mm Installation: To be installed by BMDS directly employed installation team. Warranty: To be guaranteed for 10 years in respect of weather failure of rooflights, (i.e. failure directly resulting in water penetration to a building or structure on to which they are installed, or failure to resist imposed loads for which they are designed). Polycarbonate glazing also has a 10 year warranty on discolouration thanks to co-extruded UV protection eliminating 98% of harmful UV radiation.
<b>Fixing:</b>	In accordance with Brett Martin Daylight Systems' fixing recommendations. Fixings included to attach frame to building structure.

