

## ICE ARENA, CARDIFF BRETT MARTIN DAYLIGHT SYSTEMS



Brett Martin Daylight Systems' Marlon Clickfix1040 polycarbonate glazing panels in a range of geometric shapes have played a significant role in the design of the Ice Arena Wales, bringing light and exceptional aesthetics to this stunning new world-class facility near Cardiff bay.

Forming part of the £250 million Cardiff International Sports Village (ISV) and now home to the Cardiff Devils, Ice Arena Wales is a 3000 seat, dual-pad arena featuring an Olympic standard primary rink for hockey and figure skating, and a smaller second rink for club, training and leisure events.

Designed by Scott Brownrigg for developers Greenbank Partnerships Ltd, the walls and the roof of the 6000 square metres arena were installed by Massey Cladding Solutions. Wrapping the monolithic shaped building, the cladding features Marlon Clickfix polycarbonate in a number of different geometric shapes on the south west elevation.

With aesthetics, light and U-values a vital consideration for the design of the arena, Massey Cladding Solutions required a daylighting solution which offered optimum light transmission, ease of installation and would suit the angular metal cladding profile.

More than 450 square metres of Marlon Clickfix RL were cut-to-fit in various irregular shapes and installed in the walls to bring transparency to the façade, allowing naturally diffused daylight inside during the day, as well as artificial light to the outside at night.



A lightweight polycarbonate panel, Marlon Clickfix1040 system has integral interlocking connections that simply click into place forming glazed areas of unlimited size and shape. The 40mm structured polycarbonate glazing panel has 10 insulating walls to achieve a U-value of 0.99 W/m<sup>2</sup>K, for a high performing and thermally-efficient glazing solution.

It has a choice of thermally broken aluminium glazing bar systems depending on the application. The Marlon Clickfix VF glazing bar system has been specifically developed for vertical installations such as façades, partitioning, rain screens and vertically-glazed northlights whilst Marlon Clickfix RL - used at Ice Arena Wales - has been designed for use in low pitch rooflights and canopies.

Marlon Clickfix1040 provides high quality natural light, superior thermal insulation and UV protection. In addition to the impact resistance, resilience and structural strength inherent in all of Brett Martin's high-performance polycarbonate sheet products, it is also lightweight and easy to handle.

With this top class, state-of-the-art ice rink facility now complete, the use of Brett Martin's Clickfix RL has ensured this flagship sports destination will provide an exemplary sporting experience for fans and skaters alike.



Daylight Systems

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