

HOW TO TILT ESCALATING COSTS WHILE STILL TURNING HEADS

CASE STUDY



Project:

MODUS TILT & TURN ACCOMODATES TOUGH REQUIREMENTS AT NEW DEVELOPMENT

Client: **YMCA MILTON KEYNES**

Product: **MODUS**

Contractor: **ASTRASEAL**

When construction and development group Bowmer & Kirkland needed to ensure a £19million project for the YMCA stayed in budget, they asked Eurocell for advice.

The right people to turn to, as the successful completion of the landmark building in November 2019 would prove.

With an enviable track helping architects, developers and installers find solutions, plus unmatched PVC-U window design and expertise, we got our sleeves rolled up before the first concrete was poured.

Making short work of value engineering analysis for the project, Eurocell engineers identified the tight budget could be made to work even harder. By changing the window spec from aluminium to PVC-U in the shape of their Modus Tilt & Turn profile, they could lower costs by up to 37% and increase thermal performance, without altering the design.

‘Eurocell were good at supporting Astraseal technically. They were clear about what could and couldn’t be achieved with the Modus profile. It was a successful contract.’

Mark MacMullan,
Astraseal



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PVC-U may look like a good choice on paper. But how does it perform against aluminium in-situ?

When it comes to aesthetics, it's the best lookalike around as virtually any metallic surface can be replicated. In this case, an identical colour and finish to the original aluminium spec through the application of a smooth RAL7016 foil. Not just a perfect match for the architect's vision, but also for any aluminium doors and commercial shop fronts on the ground level. However, and perhaps even more eye-catching for developers, its hidden strength lies in its outstanding versatility when used in a profile such as Modus.

With full technical support and expertise from Eurocell, installation contractor Astraseal was able to specify a system that was modified and strengthened to provide the rigidity required to meet the project's challenging wind loading and structural issues.

This required reinforcing steel bars to be supplied by a third party to be integrated with the frames during fabrication. A solution that could be seamlessly incorporated into the profile and one that had already been put to work in previous developments requiring similar structural support capability.

Acoustic rating to the glass was also a major consideration. Modus Tilt and Turn was a flexible enough option to be able to meet the requirement of structural engineers PRP, who factored in the required noise reducing glazing with the help of the Eurocell Technical Support Team.

In the case of the Milton Keynes YMCA, switching window spec to PVC-U not only significantly lowered the overall installation cost for the windows. But also put in place a system with thermal efficiency that will continue to save money as it reduces overall utilities costs for the facility into the future.

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