

EVESHAM COUNTRY PARK, WORCESTERSHIRE
TATA STEEL



Regarded as a major player in the retail sector, Eagle One has invested in a significant new extension to Evesham Country Park in Evesham, Worcestershire, offering clients not just an attractive, high-class venue, but also buildings that meet excellent environmental and energy standards.

Within its designs for the development, Cardiff based architectural consultancy, Holder Mathias LLP, specified the use of Tata Steel's Trisomet® and Trimapanel® insulated panel systems which included the new thicker core Trisomet® 135. All were manufactured with Colorcoat HPS200 Ultra® for the external skin. The factory insulated panels helped to deliver a building that achieved excellent thermal performance, with low U-values as well as high standards of airtightness.

Evesham Country Park comprises 70,000 square feet of garden centre, factory outlet shops, restaurants and farm shop together with other attractions and covers 125 acres overlooking the river Avon. Evesham Country Park forms part of Eagle One's extensive £160 million property asset portfolio, built up over the past 25 years.



The challenge

Within its design brief from the client, the project team was attempting to create a complex that would be visually appealing to both its occupants and customers, while offering the multiple attributes of long term durability, weather resistance and excellent energy performance.

The issue of achieving high insulation standards is important not just because of tighter Building Regulations, but it is now accepted that properties targeting local energy consumption are a good investment and more attractive to the retail market. They offer reduced energy bills and can be expected to have a longer service life, so reducing whole life operating costs for the building owner and the occupant.

The solution

As is frequently the case on commercial developments, the budget was an important consideration and Midport Construction recommended the use of Tata Steel's Trisomet® 120, Trisomet® 135 and Trimapanel® 120 products in various sizes and colours as a long term, value added solution.

Colorcoat's HPS200 Ultra® pre-finished steel with its Confidex® Guarantee of up to 40 years was not only the client's preferred choice, but as it does not require regular maintenance to validate the guarantee, in terms of whole life costing it is ultimately more economical. Holder Mathias further benefited as Colorcoat's HPS200 Ultra® is available in a wide palette of colours, as was required for this visually striking development.



Tata Steel's technical department advised the architect that the Trisomet® 135 would be required to achieve a U-value of $0.15\text{W}/\text{m}^2\text{K}$ on the roof while Trisomet® 120 and Trimapanel® would actually exceed the figure set for the wall – achieving U-values of 0.16 and $0.17\text{W}/\text{m}^2\text{K}$ respectively. Guidance was also provided on issues such as the arrangement for dealing with rainwater run-off and the interfaces with sections of timber cladding.



Client: Eagle One Country Shopping Limited

Architect: Holder Mathias LLP, Cardiff

Main contractor: Dawnus Construction Holdings Limited

Roofing & cladding contractor: Midport Construction

Tata Steel products:

Trisomet® 120 and Trisomet® 135 insulated panel systems were used for the roof and Trimapanel® 120 and Trisomet® 120 for the walls. All with Colorcoat HPS200 Ultra® pre-finished steel external skin in various colours.

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