



Advantica® L Control

Pre-finished steel for controlled environments

Fayrefield Foods Crewe, UK

Client/Building Owner: Fayrefield Foods

System Manufacturer – Internal: Hemsec Panel Technologies

System type: Sandwich panels

Installer – Internal: JBJ Insulations Limited

Colorcoat® products used:
Colorcoat HPS200® – External
Advantica® L Control – Internal

Colours: Albatross (RAL 240 80 05) (exterior)
White (interior)

Year: Original build in 2000, with internal refurbishment in 2013

The building

This industrial unit in Crewe was originally constructed in the year 2000 to house car parts for an automotive company. When the storage unit became surplus to requirements it was purchased by Fayrefield Foods as a food processing and food storage facility. Fayrefield Foods is a leading dairy company with customers throughout Europe, and a reputation for innovation, food technology and product development. So the refurbishment of the building involved a complete fit-out of the interior to meet Fayrefield's exacting standards for processing, packing and storing of their dairy products.

Advantica® L Control by Tata Steel was specified to be used throughout the interior of the processing and storage areas in order to achieve a strict level of hygiene as well as longevity.

Meanwhile, it was decided to leave the exterior of the 13-year-old building alone. That was because the Colorcoat HPS200® by Tata Steel in Albatross, used to create the original building, was still in excellent condition after 13 years.



The challenge

The interior of the building amounted to an area of 10,000 square metres, which was constructed using Hemsec Panel Technology's Internal PIR sandwich panel system.

"The installation went very well and the programme went according to plan. Advantica® L Control is an excellent durable product, great for clean-down purposes in a very strict hygiene environment," says Hemsec Account Manager Phillip Montgomery.

"Two different panel manufacturers were used on the project, both of whom produce a panel system using Advantica® L Control by Tata Steel. Hemsec Panel Technologies supplied the PIR element, while Eurobond supplied an element of mineral wool sandwich panels. This was a huge benefit with the two separate panel systems matching in colour shade of White across the build. We were very pleased that even before it was completed, the client was proud to be able to showcase the site to visiting architects and specifiers from Russia as part of a best practice and knowledge sharing session."



The solution

Advantica® pre-finished steel products have been specifically developed by Tata Steel and are used in a range of internal controlled environments such as food processing areas, cold storage, pharmaceutical clean rooms and hospital environments. Tata Steel has been manufacturing pre-finished steel products for almost fifty years. Encompassing innovation, strict testing procedures and manufacturing excellence, the pre-finished steel products have been used on countless projects worldwide.

The demands on the walls and ceilings of controlled environments such as that at Fayrefield Foods can be high. Materials need to be built to last and to perform within a range of temperatures and factors such as condensation. In addition, in this specialist food processing area, it is vital to avoid tainting of the final product.



Meanwhile the exterior needed no refurbishment, proving the superior performance and durability of Colorcoat® pre-finished steel products. Colorcoat HPS200® has now been superseded by today's super durable Colorcoat HPS200 Ultra® which comes with the Confidex® Guarantee for up to 40 years for standard external building envelope applications. This offers a sustainable solution for the building envelope where longevity and durability are imperative and strives to reinforce our commitment to delivering sustainable building envelope solutions that last.

"The refurbishment went very well. Due to the nature of the panels they fit together quickly and easily, and the final finish is of an extremely high standard - perfect for the food industry," says Niel Kerr, Director of Fayrefield Foods.



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