

TATA STEEL



Advantica® L Control

Pre-finished steel for controlled environments

Key Foods Widnes, UK

Client/Building Owner: Key Foods

System Manufacturer – Internal: Hemsec
Panel Technologies

System type: PIR composite panels

Installer – Internal: Heritage Hygienic

Tata Steel products used:
Advantica® L Control – Internal

Colours: White (interior)

Year: Refurbishment began in July 2012

The building

This large ex-military building – 200m long by 40m wide – was the ideal place for Key Foods to expand its creamery operations. The internal work saw the creation of a wide range of rooms including the main creamery and areas for chilling, processing, and changing.

Advantica® L Control by Tata Steel, a laminate pre-finished steel product, was specified for its excellent food and fire safe qualities and was used throughout the entire interior of the processing and storage areas, including doors and ceilings.



The challenge

The interior of the building was constructed using Hemsec Panel Technology's Internal PIR sandwich panel system. As a closed cell product, this significantly enhances hygiene by stopping moisture absorption. It is also a well-insulated and completely fire-rated (FR30) product.

The composite panels were used to create the walk-on suspended ceilings, allowing access to the range of services such as plumbing and electricity above, as well as for ease of cleaning and maintenance. The panels have a maximum span of six metres and achieved a loading of 0.25/kN/m² uniformly distributed over the whole area and a concentrated load of 0.9kN (BS6399).



This facility requires a full range of doors – sliding, chill-slam, high-speed and personnel – and all have a PIR core lined with Advantica® L Control by Tata Steel.

An additional challenge came when Key Foods added a garlic process – adding a requirement for a fully airtight room to prevent any odour tainting the products in the creamery side of the business.



The solution

The panel installation and room fit-out was completed by Heritage Hygienic, a specialist company which for 10 years has specialised in all kinds of hygienic installation for supermarkets, food processing and the National Health Service.

"This is a wonderful product for meeting the needs of food processing facilities. We chose to use Hemsec panels using Advantica® L Control by Tata Steel because we have the reassurance of the quality, and more importantly the satisfaction of the client." says Managing Director Greg Howell.

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.



Contact Details

Colorcoat Connection® helpline
T: +44 (0)1244 892434
E: colorcoat.connection@tatasteel.com

Advantica, Colorcoat and Colorcoat Connection are trademarks of Tata Steel UK Limited.

Copyright 2013 Tata Steel.
Language English 1213