

CHARLIE BIGHAM'S SOMERSET, UK

Project Overview

Project	Charlie Bigham's (TSL Projects)
Location	Dulcote Quarry, Wells, Somerset, UK
Application	Advanced food manufacturing facility
Walls	Third-party fire rated composite insulated panels by others
Ceilings	N/A
Doors	N/A
Glazing	M100 triple glazed, fire rated vision panels for third-party walls
Miscellaneous	N/A
Performance	60 minutes Integrity / 60 minutes Insulation (EI 60) tested to BS 476: Part 22: 1987

Background

Somerset based premium ready meal producer, Charlie Bigham's, required a new production facility as part of their continuing expansion plans to create a 'food campus'. The original building design specified standard, non-fire rated vision panels with automatic fire rated shutters to close off the openings in the event of a fire. This solution required complicated and costly controls and additionally, the surface-mounted shutters would create ledges and inaccessible areas that were not suitable for hygienic environments.

Brief

Turnkey technical contractor TSL Projects required a cost-effective alternative to the proposed fire rated window solution that would maintain the fire rating and hygienic requirements for a food manufacturing facility. Having worked with MIDDAS previously on other projects, TSL turned to the team for a viable solution.

Solution

MIDDAS designed and manufactured a solution from its wide range of independently tested, flush triple-glazed vision panels. The vision panels are designed so the outer glazing of the cassette finishes flush with the walls, ensuring a hygienic, wipe-clean surface. The third inner pane of the triple glazed vision panels provided the fire barrier.

MIDDAS vision panels are engineered to integrate into any third party wall type, including fire rated walls supplied and installed by others, negating the need for the originally proposed fire shutters.



"MIDDAS understood the brief and were able to offer a proven, tested solution to meet our requirements for hygienic fire rated vision panels. MIDDAS worked closely with our installation and design team to engineer all the interfaces, and the result met all our expectations, including a cost saving over the original design intent."

James Kemp, Director
TSL Projects