

# TSL - CHARLIE BIGHAM'S SOMERSET, UK

## Project Overview

Project	TSL - Charlie Bigham's
Location	Dulcote Quarry, Wells, Somerset, UK
Application	Food production facility - ready meals
Walls	Third Party Fire Rated Composite Insulated Panels
Ceilings	n/a
Doors	n/a
Vision Panels	Bespoke fire rated flush, triple glazed

## Background

The original design asked for 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, furthermore, the surface mounted shutters created ledges and inaccessible areas, not suitable for hygienic environments.

## Brief

TSL required a cost-effective alternative to the proposed fire rated window solution whilst maintaining the hygienic requirements for a food manufacturing facility and the fire rating.

## Solution

MIDDAS design and manufacture a wide range of flush, triple glazed vision panels independently tested to BS476 : Part 22 : 1987 for 30 and 60-minute integrity and insulation. The outer glazing finishes flush with the walls, ensuring hygienic wipe clean surfaces, with the inner fire rated glass providing the fire barrier.

MIDDAS engineered a solution to integrate their proven and tested vision panels into the fire rated walls supplied and installed by others negating the need for the proposed fire shutters.



MIDDAS understood the brief and were able to offer a proven and 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 TSL**  
Project Director