

## Project Review

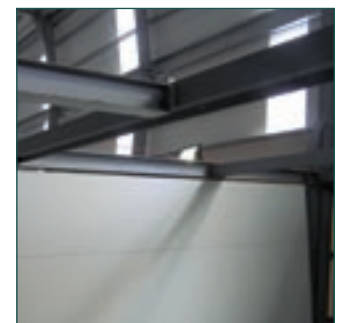
# Firewalls, Bowmer and Kirkland

## Background

There are 24 companies in the Bowmer & Kirkland Group offering a diverse range of complementary services and skills to give clients specialist knowledge for a wide range of design and build projects.

## Requirement

The Western International Market in Southall includes a variety of traders from food to clothing, and vegetables to jewellery. The market sells to both wholesale and retail markets. Working with Bowmer & Kirkland, Southall, the project was to install a firewall system for the market with a one hour fire rating and fit 49 insulated doors across the produce and flower hall.



### Project details

<b>Project</b>	Firewall and doors
<b>Location</b>	Weston International Market, Southall
<b>Building Use</b>	Market
<b>Panel Core</b>	Mineral Fibre
<b>Panel Thickness</b>	120mm
<b>Fire Rating</b>	1 hour
<b>U-Value</b>	0.32 watts/m <sup>2</sup> K
<b>Panel Weight</b>	24.5 kg/m <sup>2</sup>
<b>Panel Facing</b>	White polyester
<b>Panel requirements</b>	4571m <sup>2</sup>
<b>Door requirements</b>	49 Insulated roller shutter doors (15 produce hall, 34 flower hall)

# Project Review

## Firewalls, Costain

### Background

The Costain Group is one of the UK's leading construction companies. It's an international engineering and construction group with a reputation for technical excellence.

### Requirement

Stancold worked with Costain, Bristol, to provide firewall and partition solutions at a defence aerospace factory.



#### Project details

<b>Project</b>	Cold stores and firewalls
<b>Location</b>	Leyton Marshes Business Park, Leyton
<b>Building Use</b>	Defence Aerospace Factory
<b>Panel Core</b>	Mineral Fibre and PIR

<b>Panel Core</b>	Mineral Fibre
<b>Panel Thickness</b>	Firewalls 120mm, Lining panels 60mm (walls and ceilings)
<b>Fire Rating</b>	1 hour
<b>U-Value</b>	120mm – 0.32 watts/m <sup>2</sup> K, 60mm – 0.61 watts/m <sup>2</sup> K
<b>Panel Weight</b>	120mm – 24.5 kg/m <sup>2</sup> , 60mm – 17.3 kg/m <sup>2</sup>
<b>Panel Facing</b>	White polyester, Lining Panel 0.5mm thick shallow profiled white cleanable PVC foodsafe laminate finish
<b>Mineral Fibre Panel requirements</b>	1596m <sup>2</sup>

<b>Panel Core</b>	PIR
<b>Panel Thickness</b>	Walls 80mm, Cleaning room 100mm
<b>Fire Rating</b>	30 minute
<b>U-Value</b>	80mm – 0.28 watts/m <sup>2</sup> K, 100mm – 0.22 watts/m <sup>2</sup> K
<b>Panel Weight</b>	40 kg/m <sup>3</sup>
<b>Panel Facing</b>	Interior GRP (2mm), Exterior 0.5mm thick shallow profiled white cleanable PVC foodsafe laminate finish
<b>PIR Panel requirements</b>	3043m <sup>2</sup>

<b>Total Panel Requirement</b>	4639m <sup>2</sup>
<b>Door requirements</b>	2 Hinged Chiller Door, 3 Hinged Emergency Exit Chiller Door

## Project Review

# Firewalls, McLaren Construction

## Background

McLaren Construction is a design and construction specialist operating in the commercial, industrial, retail, leisure and hotel sectors taking buildings from inception to completion.

## Requirement

Rosemound Developments (now Goodman Developments) is an integrated property group that owns, develops and manages industrial and business space globally. Stancold worked with McLaren Construction, Beckton, to supply and install horizontally and vertically laid one hour fire rated mineral fibre insulated panels. We fitted 25 fire walls to separate office and warehouse space. Some panels were built on top of dado walls and others included windows.



### Project details

<b>Project</b>	Fire rated partitions
<b>Location</b>	Rosemound Developments – Waterfront, Beckton, London.
<b>Building Use</b>	Industrial space
<b>Panel Core</b>	Mineral Fibre
<b>Panel Thickness</b>	120mm and 150mm
<b>Fire Rating</b>	1 hour
<b>U-Value</b>	120mm – 0.32 watts/m <sup>2</sup> K, 150mm – 0.26 watts/m <sup>2</sup> K
<b>Panel Weight</b>	120mm – 24.5 kg/m <sup>2</sup> , 150mm – 28.1 kg/m <sup>2</sup>
<b>Panel Facing</b>	White polyester
<b>Panel requirements</b>	25 Firewalls / 9729m <sup>2</sup>
<b>Door requirements</b>	n/a

## Project Review

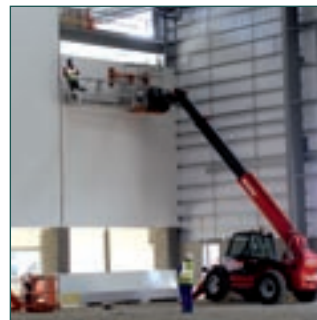
# Firewalls, Norwest Holst

## Background

Norwest Holst, Heathrow, is a leader in the construction industry and consists of specialist divisions and subsidiaries operating throughout the UK.

## Requirement

Stancold worked with Norwest Holst ,for a project based at Heathrow Airport, to supply and install a fire rated internal partition between warehouse and office space.



### Project details

<b>Project</b>	Fire rated partition
<b>Location</b>	Unit B, Heathrow
<b>Building Use</b>	Storage of catering equipment
<b>Panel Core</b>	Mineral Fibre
<b>Panel Thickness</b>	100mm
<b>Fire Rating</b>	90 minute
<b>U-Value</b>	0.39 watts/m <sup>2</sup> K
<b>Panel Weight</b>	22.1 kg/m <sup>2</sup>
<b>Panel Length</b>	6200mm
<b>Panel Facing</b>	0.5mm thick shallow profiled white cleanable polyester finish
<b>Panel requirements</b>	739m <sup>2</sup>
<b>Door requirements</b>	n/a

## Project Review

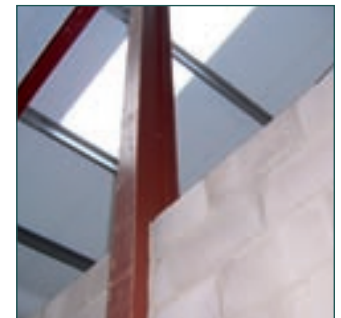
# Firewalls, Peter Guilder & Sons Ltd

## Background

Peter Guilder & Sons Ltd specialise in buying/selling new and used trucks, construction plant and equipment, and offer commercial sales for import/export.

## Requirement

Install partitions and ceilings to create an office environment in their commercial unit, including divisional firewalls between workshops and office space.



### Project details

<b>Project</b>	Fire rated partitions
<b>Location</b>	Bourton-on-the-Water
<b>Building Use</b>	Truck import/export
<b>Panel Core</b>	PIR
<b>Panel Thickness</b>	Office walls & Ceiling 80mm, Partitions 100mm
<b>U-Value</b>	80mm – 0.28 watts/m <sup>2</sup> K, 100mm – 0.22 watts/m <sup>2</sup> K
<b>Panel Weight</b>	40 kg/m <sup>2</sup>
<b>Panel Facing</b>	0.5mm thick shallow profiled white cleanable polyester finish
<b>Panel requirements</b>	145m <sup>2</sup>
<b>Door requirements</b>	2 Hinged Personnel Doors