



Bolton Gate Company

PROJECT CASE STUDY - ExCel London Phase II

ExCel London Phase II

Client:

London International Exhibition Centre plc.

Client Agent:

Gardiner & Theobald LLP.

Architect:

Grimshaw Architects Ltd.

Main Contractor:

Sir Robert McAlpine Ltd.

Products Supplied and Installed:

Fire Shutter - Fireroll E30

Half Hour Fire Resisting Roller Shutter

Fire Shutter - Fireroll E60

One Hour Fire Resisting Roller Shutter

Fire Shutter - Fireroll Acoustic

Acoustic Rated and Fire Resisting Roller Shutter





Bolton Gate Company

PROJECT CASE STUDY - ExCel London Phase II

The Site

ExCel London opened in November 2000 and was the integral component of a huge regeneration project in the area of the Royal Victoria Docks next to the River Thames.

The Phase 2 project had the primary objective of increasing the existing flat floor space by 32,500m² resulting in an incredible one million square feet of flexible floor space. This projected the already highly regarded ExCel London into the position of a world class exhibition and conference venue.

Close to London City Airport and with it's own dedicated station on the Dockland Light Railway the centre manages to attract millions of visitors per year and is a major employer within the local community.



The Project

Having worked with Sir Robert McAlpine on numerous projects, Bolton Gate Company were extremely pleased to be chosen to again work alongside this Main Contractor particularly on this prestigious project.

The contract initially involved the supply and installation of a range of 30 and 60 minute fire rated shutters to satisfy the requirement for fire compartmentation between different exhibition spaces and to communal walkways throughout the Exhibition Centre.

As the fire strategy developed it became evident that, for particular areas including some of the largest openings (7m x 10m), the fire shutters were required to provide fire integrity but this also had to be combined with an acoustic rating of up to 17dB RW.

At the time, acoustic rated fire shutters did not exist on the market as a single product solution and consequently it was typical to supply two separate shutters with one to satisfy each requirement but, given space limitations, this was not a viable option.



Bolton Gate Company

PROJECT CASE STUDY - ExCel London Phase II

The Solution

Drawing on years of experience, Bolton Gate Company were committed to developing a workable solution in order to fully satisfy the project requirements.

Moving away from the standard 'single skin' type fire rated rolling shutter, efforts were concentrated upon manufacturing a new insulated type shutter that would be capable of providing the acoustic rating.

The new shutter design was subjected to a series of rigorous testing, include both fire and acoustic tests all of which were in keeping with the very latest standards.

The testing proved to be highly successful and we were pleased to complete our contractual obligations using the very first Fireroll Acoustic shutters.

The Fire Shutter - Fireroll Acoustic provided a compact, hard wearing, yet aesthetically pleasing single shutter solution which was entirely suitable for incorporation into such a highly regarded exhibition and conference centre.

