

# CASE STUDY

## BlazeMaster® FIRE PROTECTION SYSTEMS

### UK SPRINKLERS

Founded 2012

#### TYPE OF CONSTRUCTION:

High rise private blocks

#### INSTALLATION TYPE:

New

### BlazeMaster® Fire Protection System adds safety and value to Chapel Wharf, a new residential development in the heart of Manchester

As the focus on fire safety – particularly in medium to high rise residential accommodation – continues to increase, the inclusion of fire sprinklers in new construction meets that need, but also adds to kerb appeal in the eyes of prospective owners/tenants.

Property developers of new build residential construction such as Manchester's Chapel Wharf are requesting the most innovative, cost effective and lightweight fire protection systems in line with legislative requirements. This type of fire sprinkler installation is something in which UK Sprinklers excel.

Chapel Wharf is a new build construction project in a prime central Manchester location adjacent to the five-star Lowry Hotel. It comprises 955 apartments, arranged over four blocks of up to 22 stories in height. The development is within walking distance of the Spinningfields business district and main retail centre. The developer Dandara acquired the 4.2-acre site between the River Irwell and Chapel Street in Salford, Manchester and enlisted the help of main contractor Sir Robert McAlpine to enable them to realise their vision. Elements of an 'offsite'



design and build solution were used in the construction of the four high rise apartment blocks that comprise the development, which range from 13 to 22 stories in height. Four pre-cast concrete structures, costing approximately £24 million were erected on site over a 22-month period.

### The difference BlazeMaster® CPVC can make to new build construction

Post-Grenfell Tower Disaster fire protection and the safety of occupiers and tenants is at the forefront of stakeholder thoughts. Sir Robert McAlpine specified a CPVC fire protection system to be utilised on the project. After tendering the fire protection package installer UK Sprinklers were chosen to complete the fire sprinkler installation works, and their immediate choice was to use a reliable BlazeMaster® Fire Protection System.

“UK Sprinklers uses BlazeMaster CPVC for all fire sprinkler system installations within residential properties due to the clean and quick installation method adopted”

Steve Griffiths,  
Managing Director,  
UK Sprinklers



UK Sprinklers brought a vast knowledge and experience of fire protection systems to the project, having started the business based on the supply of dry risers. Approximately seven years ago, UK Sprinklers started to use BlazeMaster CPVC fire sprinkler systems on both new build and refurbishment projects.

UK Sprinklers are a Rapid Response partner for Johnson Controls, their preferred BlazeMaster CPVC supplier, to provide them with the required BlazeMaster pipe and fittings. Presented with a reasonably tight timeline, UK Sprinklers knew that the lightweight nature and quick, clean installation possible with a BlazeMaster Fire Protection System would enable them to complete the project in approximately three to four months.

Sir Robert McAlpine knew they could trust the expertise of BlazeMaster CPVC, Johnson Controls and UK Sprinklers to meet latest regulations. Upon being awarded the project, the team immediately got to work. Johnson Controls ensured tight delivery schedules of BlazeMaster pipe and fittings were met and provided onsite support when required to ensure a smooth installation.



### Happy construction partners result in happy clients

Fire protection system timescales and schedules were met as all aspects of the project came together securely, resulting in a satisfied customer. The smooth fire protection installation program enabled the project to stay on schedule limiting inconvenience to everybody on site.

“UK Sprinklers uses BlazeMaster CPVC for all fire sprinkler system installations within residential properties due to the clean and quick installation method adopted,” said Steve Griffiths, Managing Director, UK Sprinklers. “Typically, only hand tools are required and that, coupled with the battery drills for the fixings, works well. In most cases, on high rise residential builds of the nature of the Chapel Wharf project, fitting steel pipework within the voids would not be feasible. We don’t need any messy threading machines, and that means the work areas are kept clean and tidy and there are no problems with threading oil staining floors. It also means we can keep ahead of the tight programs we have to work within on this type of construction project.”

To learn how BlazeMaster Fire Protection Systems can help you deliver your next new build construction project please contact our team today.

**BlazeMaster**<sup>®</sup>  
FIRE PROTECTION SYSTEMS

**Johnson  
Controls**

The information contained herein is reliable based on current information but the advertiser makes no representations, guarantees or warranties, express or implied, including any implied warranties of merchantability or fitness for a particular purpose, or regarding the completeness, accuracy, or timeliness of any information. Always consult your pipe and/or fitting manufacturer for current recommendations.

© The Lubrizol Corporation 2019, all rights reserved. All marks are property of The Lubrizol Corporation, a Berkshire Hathaway Company. 19-0179200

BlazeMaster<sup>®</sup> CPVC  
Marketing Department  
9911 Brecksville Road  
Cleveland, Ohio 44141-3201 USA  
888.234.2436 ext.7393  
216.447.5000  
216.447.5750 FAX

Printed in U.S.A.  
May 2019