

Polypipe supplies drainage solution to new £150m London landmark

Polypipe, the UK's leading plastic piping manufacturer, has supplied a water management system to one of London's most recognisable commercial developments.



The company provided its Terrain FUZE high density polyethylene drainage solution to the £150m 10 Fenchurch Avenue tower in the City of London.

The 15-storey, 420,000 sq ft mixed-use property, which was designed by the award-winning Eric Parry Architects, will have a 'crown-shaped' landscaped roof garden, complete with a restaurant, pergola canopies, water feature, a range of climbing and hanging plants, and walking and seating areas.

The vast complex replaces six buildings, which were demolished throughout 2014 and 2015. Once completed, the facility will house office and retail units.

Having delivered drainage systems to tall buildings for more than 50 years, the Polypipe team was able to design and deliver an engineered solution to significantly reduce installation time and labour on-site.

Made of high-density polyethylene, Terrain FUZE weighs less than systems manufactured using materials such as copper.

It is also available in longer lengths, which require less jointing once on-site. Terrain FUZE

enabled installer Fitzpatrick Mechanical Services to negotiate the constraints of the building's unique design by cutting and butt welding fittings to create customised angled pipes, which improved the aesthetics of the installation.

Furthermore, the use of butt welding minimised the need for couplings, significantly reducing the amount of materials stored on-site. Fabricated drainage stacks, meanwhile, also enabled Fitzpatrick Mechanical to make floats and sections of stacks during on-site delays, which resulted in a more efficient installation. The building

Lee Rouvray, contracts director at Fitzpatrick Mechanical Services, said:

"We were delighted to be working with Polypipe Building Services on this project. The company was able to cater for the complex demands associated with a development of this nature. We were particularly pleased with the versatility of the Polypipe products."

"Terrain FUZE is easy to install, durable and light in weight, which is perfect for construction sites. We look forward to continuing our strong working relationship on future projects."



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CASE STUDY

Project

10 Fenchurch Avenue

Client

Fitzpatrick Mechanical Services

Application

Above ground drainage

Product

Terrain FUZE