

Polypipe eases pressure on UK's second tallest residential development

Polypipe Building Services has supplied a water management solution to one of the UK's tallest residential complexes.

Polypipe provides drainage to 65-storey Deansgate Square development



The company provided a range of systems, including pressure attenuators and drainage stacks, to the colossal £385 million Deansgate Square development in Manchester city centre.

The 2.7-acre site will comprise 1,508 luxury apartments and across four high-rise blocks, including the 200m, 65-storey South Tower, which will be the UK's second tallest residential building behind the 75-storey, 239m Landmark Pinnacle being constructed in London.

The Manchester complex, designed by award-winning architect SimpsonHaugh and Partners, will include a 20m indoor swimming pool, performance studios, a three-storey underground car park, indoor tennis court, 1,900sqft gym, leisure suite, residents' lounges and relaxation areas. It will be capped off with a rooftop garden with a private bar and catering facilities.

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After main contractor Renaker selected Polypipe to design the vent piping, the company devised a system that incorporated its exclusive Terrain *P.A.P.A.® (positive air pressure attenuator) and Pleura Vent system, which work in harmony to regulate air pressures within pipework and eliminate the need for a secondary vent.

Polypipe also provided Terrain FUZE drainage stacks to minimise cost, installation times and resources, and a tailored PVC piping system. The stacks also have fewer joints to reduce the risk of leaks.

* P.A.P.A.® is a registered trademark owned by Akatherm BV, part of the Aliaxis group

CASE STUDY

Project

Deansgate Square

Client

Renaker, MWA Ecosystems

Application

Above ground drainage

Product

Terrain P.A.P.A., Pleura Vent, Terrain FUZE and Terrain PVC piping

“The height of the development posed a unique challenge for the designers. The drainage stacks throughout the building had to manage huge amounts of pressure so a robust solution was required. We were able to supply a system that limited the pressures placed on the base of the stacks. By installing Terrain P.A.P.A.® valves we were also able provide the developer with significantly more space in each individual apartment within the tower.”

Jonathan Greenwood, technical sales manager, Polypipe Building Services.



Deansgate Square is due to be completed in 2021.

Andy Moss, director at MWA Ecosystems, which installed the system, said:

“Polypipe was not only able to provide superior products and services, it also offered greater design freedom. We were able to reduce the amount of space, time and labour needed to deliver a drainage system suitable for such a prestigious development. The company had a solution for every challenge typically associated with a demanding project of this nature. We very much look forward to further enhancing our relationship with Polypipe and working with the company on future projects.”