Wavin Tigris K5 - Royal Borough of Greenwich

Speed, efficiency, and performance delivered with Tigris K5



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Wavin case study

Royal Borough of Greenwich

Characterful council homes development

An Orbia business.



What you need to know

Client: Royal Borough of Greenwich

Contractor: Hydronic Heating Solutions

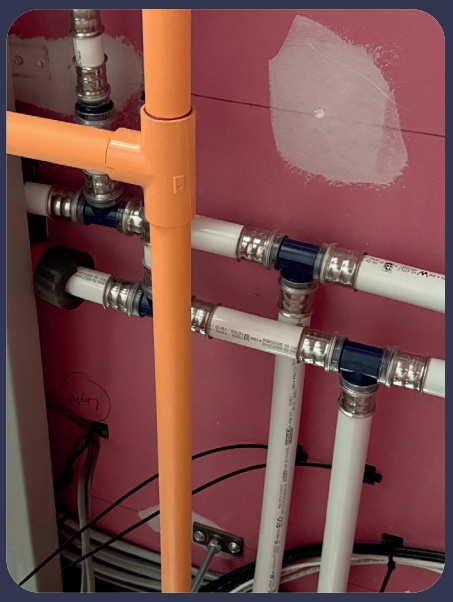
Project size: 42 houses / 20 flats

Completion date: End of 2026

Products used: Wavin Tigris K5

Wavin Tigris K5





Project overview

The Royal Borough of Greenwich is delivering a housing initiative compromising 62 high quality, characterful council homes across two strategically located sites. The development will be built to sustainable, zero-carbon standards, setting a benchmark for environmentally responsible social housing.

To support the project's performance, sustainability, and longevity goals, Wavin has supplied its advanced plumbing and drainage solutions, including Tigris K5 press-fit system and OSMA soil, waste, and rainwater.

Wavin case study

Creating the solution



The challenges

The project faced several challenges. With ambitious build schedules in place, speed of installation was a priority, particularly given the shortage of skilled labour across the construction sector.

A key challenge in the project was meeting strict requirements for both delivery timelines and product performance. Additionally, the product needed to meet high-performance benchmarks under real-world conditions, leaving little room for compromise on quality or reliability.

The solution

To address the challenges faced, Wavin UK supplied a tailored combination of its high-performance Tigris K5 system alongside the versatile OSMA range, ensuring both the speed of installation and the reliability needed to meet the project's demanding requirements.

The Tigris K5 system delivered a major advantage to the project by removing the need for traditional soldering, a skill which requires experience. With the UK facing a shortage of fully qualified plumbers, the plastic press-fit technology of Tigris K5 allowed installation to be carried out quickly and efficiently. This not only reduced reliance on scarce skilled labour but also helped to keep the project on schedule without compromising quality or performance.

The Tigris K5 system also met the project's demanding performance requirements, being WRAS-approved and capable of operating at high temperatures, including a constant hot water return at 65°C, and pressures of up to 10 bar. Supplied in coil sizes from 16 to 32mm, the system reduced the number of fittings required, lowering the risk of potential leak points. Additionally, the availability of pre-insulated pipe removed the need for a separate insulation stage, saving valuable installation time.

Having all products supplied by a single manufacturer, brought the added benefit of simplified compliance. With the Tigris K5 and OSMA ranges both coming from the same trusted source, the project team could be confident that all components met the required standards and were backed by consistent technical support.

All products were supplied through BSS and UKPS, ensuring reliable availability and consistent delivery schedules. In addition to stocking both Tigris K5 and the OSMA ranges, these suppliers provided essential tooling support and technical assistance, helping the installation team work efficiently.

Wavin Tigris K5







End-to-end solutions

Performance and reliability guaranteed

Wavin Tigris K5

Press-fit plumbing

Wavin Tigris K5/M5 builds on the success and reliability delivered by its predecessor, the Tigris K1/M1. Wavin Tigris K5/M5 is the very first of its kind to feature the innovative Acoustic Leak Alert function. Any un-pressed fitting will make itself known by producing a loud whistle. But that's not all. The fittings also offer an improved flow and can now be pressed with multiple pressing profiles.



AcousticLeak Alert
Detects leaks with a loud whistle

IN 4SURE 360°
View to check pipe insertion

Multi Jaw
Works with 5 types of jaws

Opti Flow
Up to 50% larger inner bore



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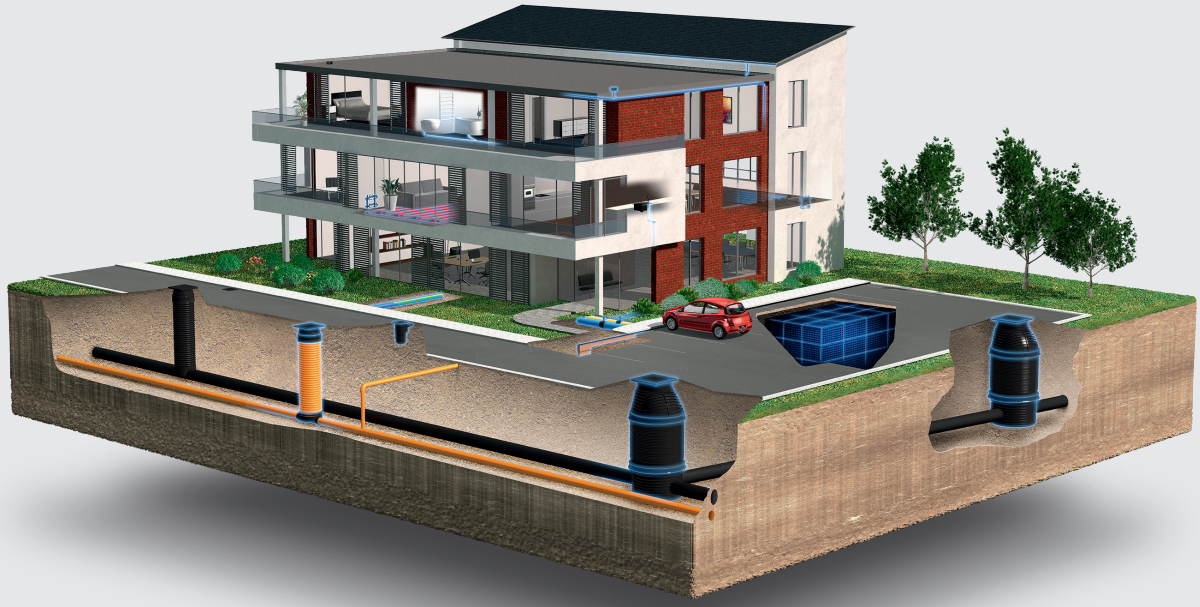

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Building & Infrastructure

wavin

Wavin is part of Orbia, a community of companies working together to tackle some of the world's most complex challenges. We are bound by a common purpose: To Advance Life Around the World.

Orbia's Building and Infrastructure business Wavin is an innovative solutions provider for the global building and infrastructure industry. Backed by more than 60 years of product development experience, Wavin is advancing life around the world by building healthy, sustainable environments for global citizens. Whether it's to improve the distribution of clean drinking water, to make sanitation accessible for everyone, to create climate resilient cities, or to design comfortable living spaces, Wavin collaborates with municipal leaders, engineers, contractors, and installers to help future-proof communities, buildings and homes. Wavin has 12,000+ employees around 65 production sites worldwide, serving over 80 countries through a global sales and distribution network.

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