

## PRODUCT OVERVIEW

# Plumbing and waste water drainage solutions

Bringing commercial projects to life



# CONNECT TO BETTER

In any commercial build, water management is one of the essential elements that everybody has to contend with. Wavin is uniquely qualified to assist.

We connect market leading brands – like OSMA and Hep<sub>2</sub>O – with technical advice and project support.

Our award-winning designs and innovations deliver real world benefits and measurable gains in performance and sustainability.

And we link regulatory requirements to qualified advice and compliant solutions.

At every stage – from initial planning and on-site issue resolution to assured one-source supply and product certification at handover – we connect you to better solutions, better partnerships, better value and better outcomes.



**Constructionline**

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# Expertise from the ground up

Whatever the project requires, you can put your faith in Wavin to place every aspect of water management at your command.

## Deeper resources

Wavin is a global leader in the supply of plastic pipe systems and solutions. With experience in every sector of commercial development, we can help construction professionals to fulfil statutory obligations, assist with environmental goals of sustainability and energy efficiency and, at handover, aid occupants with day-to-day operation, safety and comfort.

## Innovation with purpose

Every innovation we create is designed to overcome specific, real world issues. From our award winning Recycore® Technology, to the first low noise drainage system to absorb airborne sounds as well as structure borne sound, Wavin products deliver better performance, enhanced sustainability and lower lifetime costs.

## Working in partnership

As an integral part of a project team we can deliver tangible benefits on the ground, from planning and installation to handover. Alert to issues and with informed advice on statutory and environmental regulation, we can anticipate, identify and resolve problems on the spot – helping to simplify progress, sustain scheduling and reduce costs.

## Single supplier sourcing

We are as reliable as we are flexible and timely. Our heritage and scale means assured supply of all the technology, systems and components a project requires, sourced from a nationwide stockist network backed by local support. We deliver outstanding products but also streamlined scheduling, economies of scale and simpler project management.

## Technical expertise

Our claim to 'connect to better' is brought to life in our in-house UK Technical Centre, as well as through our specialists on the road and in the resources we make readily available online.

## Engineering value

We have proven ability to reduce avoidable costs. Whether from feasibility checks to pre-empt problems, time-saving design support that might reduce groundwork or guidance on the impacts of the latest regulations, we always seek to go beyond simply fit-for-purpose.

## Sustainability as standard

Wavin has sustainability woven through it, with roots embedded in sustainable solution development and responsible manufacture. From managing our own carbon footprint, through accredited environmental management systems and a sustainable supply chain, to delivering superior sustainable products, Wavin is committed to protecting resources for future generations.

## Proven expertise

From the Athletes Village at London 2012, to typical residential housing projects, we have a track record of effective partnerships delivering success.

# The Complete Solution

## Plumbing and Waste Water Drainage

From the siphonic capture of rainwater on the roof down to underfloor heating, and every connection in between, the breadth of our expertise gives you control over water at every level of the built environment.

### Underfloor Heating

Hep<sub>2</sub>O

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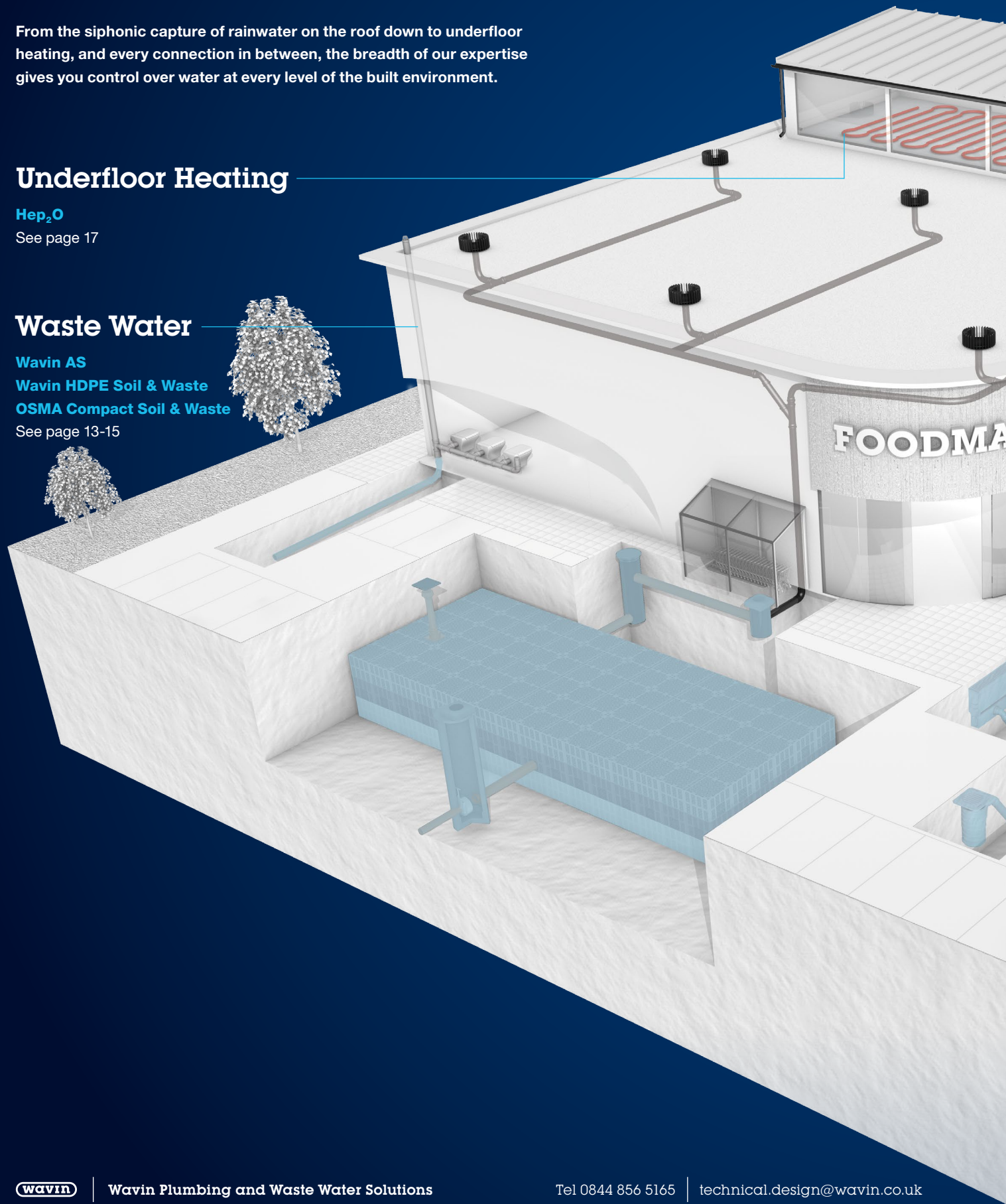
### Waste Water

Wavin AS

Wavin HDPE Soil & Waste

OSMA Compact Soil & Waste

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## Gravity Roof Drainage

**Roofline**

See page 12

## Siphonic Roof Drainage

**QuickStream**

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## Waterless Traps

**OSMA Hep<sub>2</sub>O**

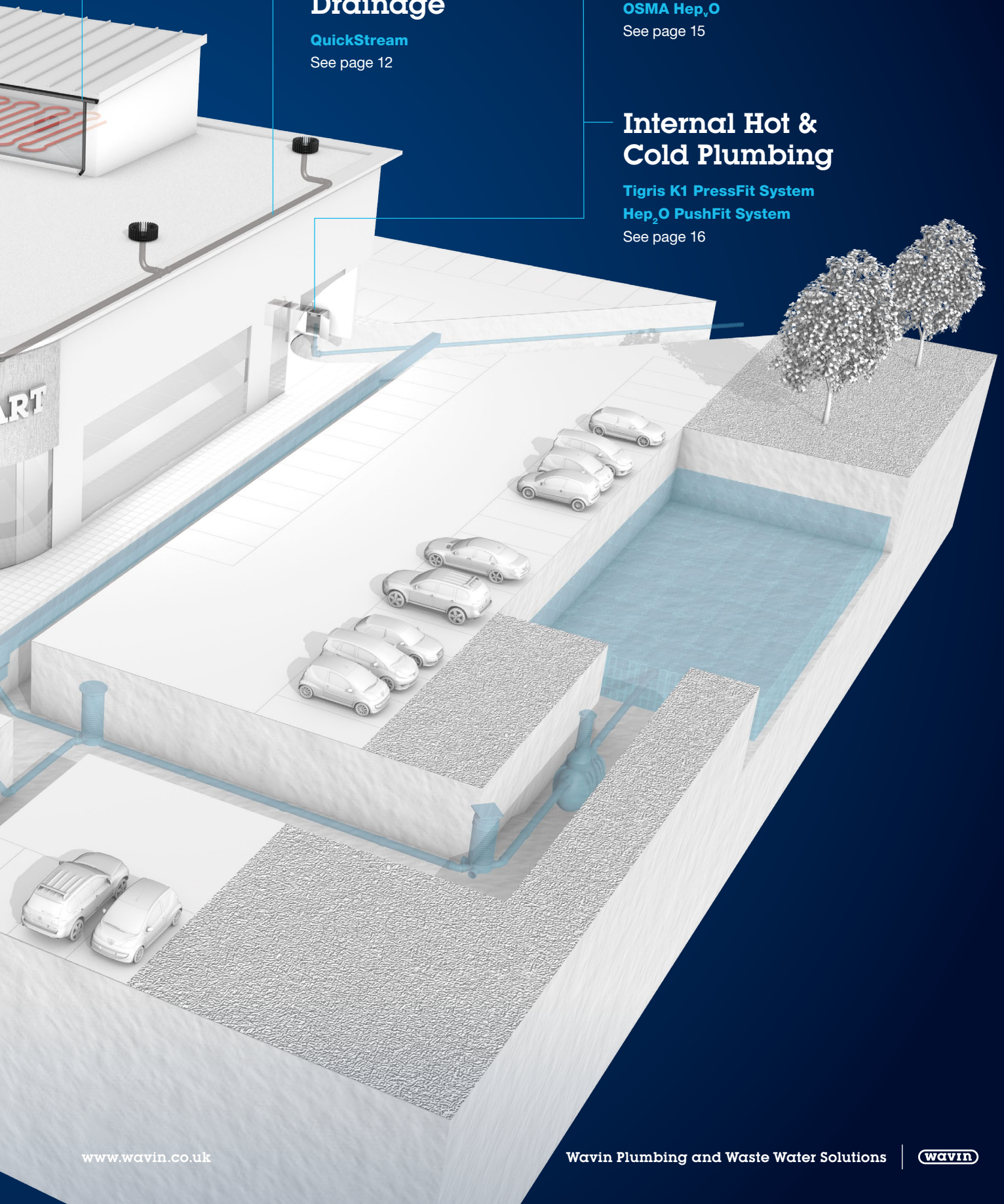
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## Internal Hot & Cold Plumbing

**Tigris K1 PressFit System**

**Hep<sub>2</sub>O PushFit System**

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# Turn to Wavin for **legislative guidance**



Water supports life. It is a crucial and precious resource which sustains humanity, ecosystems and economic prosperity and so is deserving of the protection it receives through legislation and regulation. As an authority on water, Wavin is informed and qualified to advise specifiers, developers and contractors on how best to respond through compliant and sustainable design, installation and maintenance.





### Building Regulation Part H (Drainage and Waste Disposal)

Building Regulation Part H embraces the guidelines for drainage and waste disposal that must be met in the UK.

Although Part H extends to rainwater drainage and solid waste storage, waste drainage issues are to the fore. The Building Regulations are designed to ensure that all foul water (waste from urinals, portals, food preparation water etc.) is properly disposed of to maintain a decent level of sanitation, promoting both personal and environmental health.

The regulations also highlight the importance of pollution prevention, working sewage infrastructure and sewage maintenance.

### WRAS approval

Any water fitting that, when installed, will carry or receive water from the public mains water supply in the UK, must comply with the Water Supply (Water Fittings) Regulations or Scottish Byelaws.

As compliance is granted directly by representatives of the water suppliers, it is accepted by every water supplier in the UK.

Approval requires that a water fitting should not cause waste, misuse, undue consumption or contamination of the water supply and are “of an appropriate quality and standard”.

Wavin’s Hep<sub>2</sub>O and Tigris K1 ranges have WRAS product approval, demonstrating full compliance with the requirements, provided the fitting is installed according to any conditions given with approval.



# Your best connection for **effective plumbing and drainage solutions**

To meet the challenges of urban development, modern building design, intensified rainfall and a changing regulatory landscape, connect to Wavin's expertise.

As the leading European manufacturer of industrial plastic products, Wavin is the trusted choice to deliver a comprehensive range of plumbing and drainage solutions.

By making Wavin part of your project team, our expertise can ripple throughout every phase.

We can help you with design and specification, advise on regulation, drive up sustainability, drive down avoidable costs and guarantee product supply for the optimum solution.





## Rainwater Management

Effective rainwater management starts with its efficient capture. From simple guttering to our advanced siphonic roof drainage system, Wavin has a unique depth of experience in rainwater capture solutions.

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## Soil & Waste

Wavin's pedigree and innovative expertise in pipe and fittings manufacture has made our products the professional's first choice for soil and waste systems.

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## Hot & Cold Plumbing

Intelligent engineering and innovation have paid dividends in water distribution systems that deliver a clear advantage. From system design and efficient installation to exceptional performance, Wavin has delivered superior installed outcomes across a wide range of successful commercial projects.

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## Underfloor Heating

Running at lower temperatures over a wider area, underfloor heating is increasingly specified for efficiency, sustainability and aesthetics.

Wavin's response is typically comprehensive, combining a complete project design service with product solutions suitable for any floor construction or heat source in both new build and renovation projects.

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# Rainwater Management

## QuickStream

Created from over 30 years' experience in the calculation and design of siphonic systems, Wavin QuickStream is the most technically advanced siphonic roof drainage system available.

For large or complex roof areas it is the cost-effective way to quickly and efficiently discharge rainwater, even in storm force conditions.

- ④ Market leading AutoCAD design software delivers the highest level of security and safety checks and generates 3-D system layouts
- ④ A comprehensive range of third party approved roof outlets and specially developed brackets for simple and foolproof installation
- ④ Successfully installed in more than 20 countries worldwide and guaranteed for 10 years



## Roofline

OSMA Roofline is a classic half-round profile guttering system for gravity roof solutions.

The high capacity and ease of installation make it ideal for large commercial and industrial buildings.

- ④ The 'Flexiclip' seal makes it easy to connect the guttering to the fittings while ensuring a permanently watertight joint
- ④ Every element of the Roofline system is kitemarked
- ④ Available in black and grey



# Soil & Waste

## Wavin AS

**Wavin AS is the world's most frequently installed low noise soil and waste system for a reason.**

The first drainage system to absorb airborne sound as well as structure borne sound, Wavin AS achieves the best performance of any plastic pipe through an intelligently engineered combination of high mass, wall thickness and special couplings.

- ⌚ Advanced noise prediction tools, developed in partnership with a specialist acoustic engineering company, accurately calculate the noise levels of any soil and waste installation
- ⌚ Corrosion-free components deliver a long lifetime of trouble-free service
- ⌚ Light and easy to install with secure push-fit rubber connections
- ⌚ LABC system approval, tested in accordance with BS EN 1451



# Wavin HDPE Soil & Waste

**Wavin HDPE is a high performance and highly cost effective solution to the removal of waste water and rainwater in large residential and commercial build projects.**

A complete soil, waste and vent system of pipes and fittings, manufactured from high density polyethylene. A material advantage combining chemical, temperature and impact resistance with low weight, flexibility and durable seals.

- ② Secure joints can be formed by electro-fusion or butt welding
- ② Proven welds result in a hermetic system with low weight and ease of installation
- ② Extensively project-proven throughout Europe
- ② Exceptional product attributes of impact resistance, thermal performance, strength with lightness, and both chemical and corrosion resistance
- ② An extensive choice of pipes and fittings in diameters from 40-315mm
- ② UV-stabilised so can be installed outdoors with no visible aging
- ② Suitable for being cast in concrete
- ② Material flexibility makes Wavin HDPE well suited to assemblies subject to vibration with BS EN 1451



## OSMA Compact Soil & Waste

For the effective removal of waste water, OSMA Compact is a space-saving PVC-U system that enables flexible installation with optimum flexibility.

- ⦿ Compact soil units allow greater design flexibility, with tighter connections to 32, 40 and 50mm waste pipework
- ⦿ Reduced dimensions help to minimise the duct space required
- ⦿ A number of design features help to ensure correct installation, including an innovative 'stop' position which prevents fitting to be made with a fall of less than 2.5°
- ⦿ 110/160mm pipes utilise Wavin's award-winning Recycore® Technology for sustainability gains without any fall-off in performance
- ⦿ High seal integrity is assured through a unique co-matched seal and cap which will not dislodge, but remain airtight
- ⦿ A comprehensive range of complementary, easy-fit WC connectors is available



## OSMA Hep<sub>v</sub>O Waterless Trap

OSMA Hep<sub>v</sub>O is an innovative alternative to conventional water traps, which replaces 'trapped' water with a soft, silicone rubber membrane to create an impenetrable seal against foul sewer gasses entering a building.

- ⦿ Hep<sub>v</sub>O will not lose its seal due to evaporation, movement, vibration or siphonage, is not prone to cracking in freezing conditions and prevents 'gurgling' noises in the waste pipe
- ⦿ Can be installed vertically or horizontally
- ⦿ Suitable for use on kitchen sinks, washbasins, showers and condensate lines from boilers and air conditioning units



# Hot & Cold Plumbing



## Tigris K1 PressFit

Wavin Tigris K1 is a multilayer, composite pipe system designed for potable water, sanitary and heating applications. WRAS, KIWA and DVGW approved, it is ideally suited to commercial projects such as educational establishments, apartment blocks and hotels.

Tigris K1 uses a fixed stainless steel sleeve in a proven, press-fit technology. A battery operated or mains powered press-fit tool creates a perfect joint in a fraction of the time of traditional soldering techniques.

- ⦿ An aluminium layer in the pipe reduces thermal expansion (comparable to copper) and the cross-linked PEXc inner layer gives a flexibility that reduces connections
- ⦿ A smart 'defined-leak' function reveals unpressed fittings during pressure testing
- ⦿ Winner of a European design award, the press-fit technique requires no soldering, welding or thread-cutting, so no Hot Works insurance permits are required
- ⦿ 25 year system guarantee



## Hep<sub>2</sub>O PushFit

Hep<sub>2</sub>O is the UK's leading plastic plumbing system for potable water and heating applications.

Its unique features make fitting easier, quicker and more secure and it is the only system to feature joint recognition and secure demounting.

- ⦿ High flexibility for fast and easy installation
- ⦿ The In4Sure security feature delivers a secure fit every time. Simply twist the pipe or fitting to feel the 'rumble' that signals a perfect fit
- ⦿ HepKey demounting system prevents tampering and accidental demounting
- ⦿ Carries a market leading 50 year guarantee





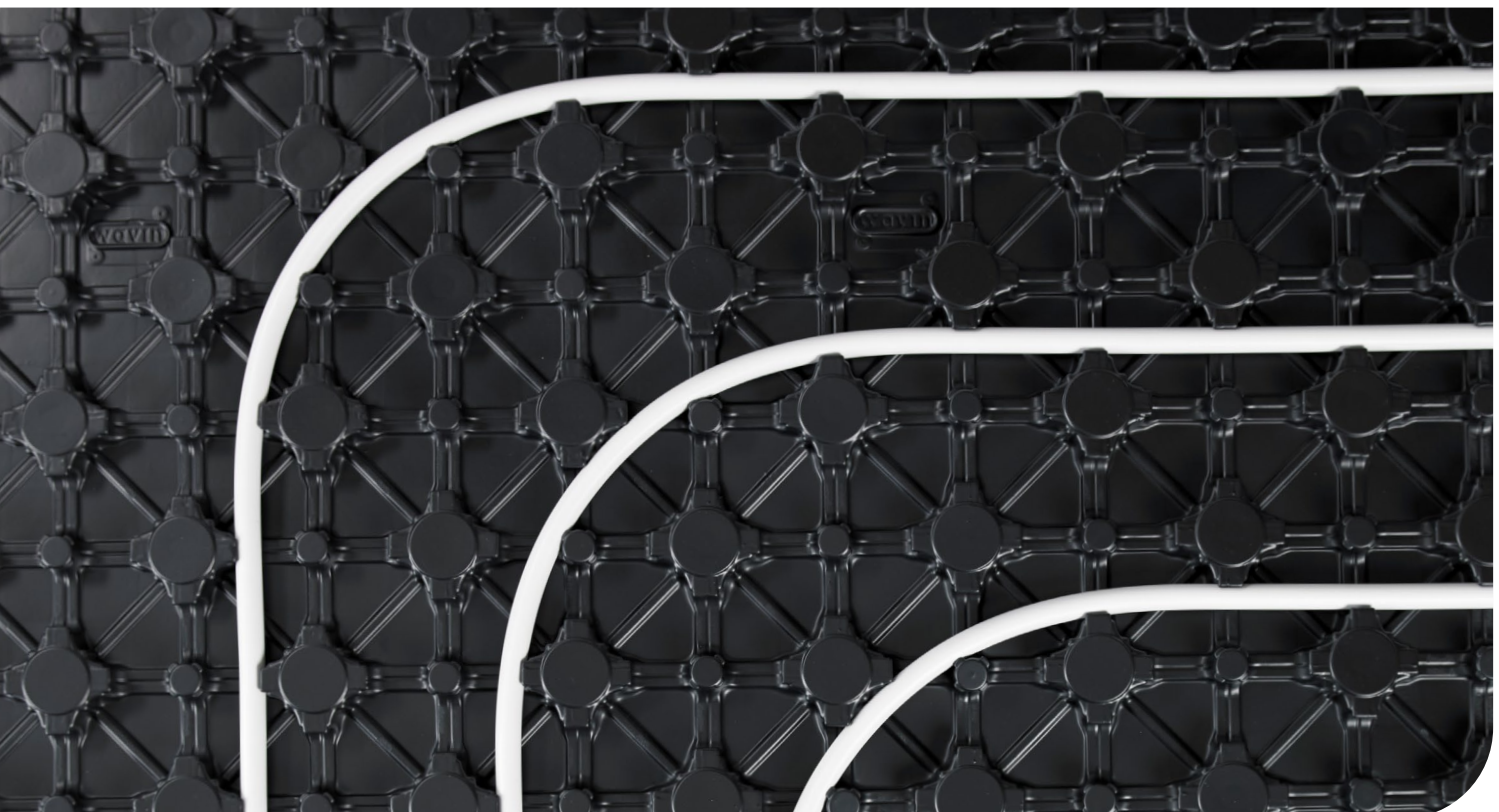
# Underfloor Heating

## Hep<sub>2</sub>O Underfloor Heating

Efficiency as well as fast and easy installation are at the heart of all our underfloor heating systems, with specially designed options for joisted, battened, fully floating, raised or acoustic floors.



- ⌚ Designed to connect to a range of existing systems, our manifolds enable the system to be configured to match the demands of any installation
- ⌚ A range of standard and networked control panels can be used with a choice of wired or wireless thermostats
- ⌚ **HepCalc:** Comprehensive online underfloor heating estimator – [www.hepcalc.co.uk](http://www.hepcalc.co.uk)



# Wavin *ActivPartnering*<sup>TM</sup>

## Connect our know-how to your expertise

Over a 60-year pedigree of innovation and manufacture, we have accumulated a vast reservoir of knowledge and expertise in water management in the built environment.

It is that know-how which ActivPartnering puts at your disposal. ActivPartnering is a dedicated and well-resourced support service, created to assist our project partners in eliminating avoidable costs and achieving the best installed outcome – every time.

From CPD sessions and optimised specification, to calculation, compliance, enhanced sustainability and reduced risk, it's a perfect complement to your professional expertise. We can work with you at any or all stages, and we have experience right across the construction spectrum, be it commercial, industrial or residential.

In our experience, the earlier we are involved the more value we can add, but we are agile and flexible enough to respond when you need us, on one facet or every aspect of above and below ground water management.

## Get Activ

To learn more, contact us now or go online to view our ActivPartnering video.

**T:** 0844 856 5165

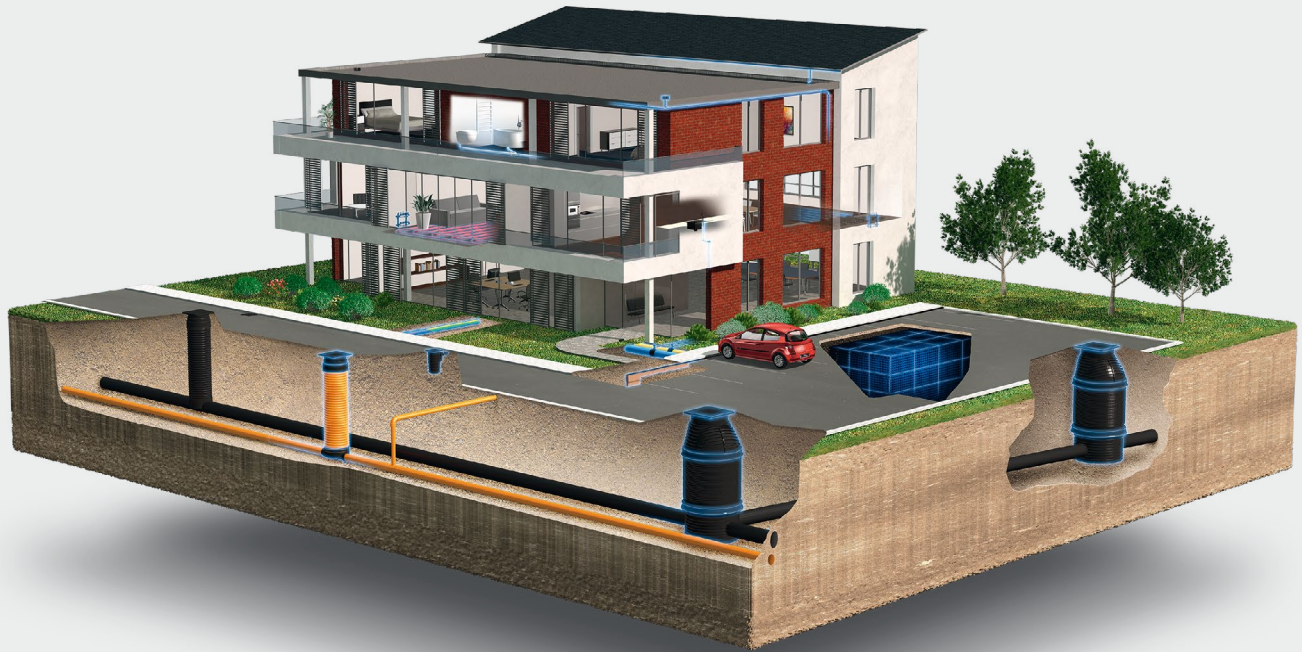
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**W:** [activpartnering.co.uk](http://activpartnering.co.uk)





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