

Where comfort meets efficiency



Advancing
Indoor
Comfort

Indoor Climate Solutions
by Wavin



wavin

An Orbia business.



Why Indoor Climate Solutions?

As UK homes become more insulated and energy efficient, consideration must be given to the climate within, ensuring comfort isn't compromised.

In Europe, it is understood that almost 90% of our lives is spent indoors. Whether at home or work, most of the time we are surrounded by air of varying quality, something which plays a significant role towards our health and wellbeing.

This is where Wavin's indoor climate solutions come into play, bringing heating, ventilation, and smart controls to benefit the building and its occupants.

Building for the Future

The introduction of the Future Homes Standard, alongside the Warm Homes Plan, marks a significant change in how homes are designed, built, and renovated within the UK. With decarbonisation leading the conversation, attention must be turned to alternative, future-ready heating solutions that achieve net zero targets, improve homeowner comfort, all while reducing running costs.



Download our guide to discover how Wavin can support in achieving the requirements of the Future Homes Standard.



“The Future Homes Standard is reshaping how we design and build, but true progress lies in delivering homes that are not just low carbon, but genuinely comfortable to live in. Indoor climate must be at the heart of that transition.”

Ben Perris
Sales Director ICS UK & IRE





Best-possible efficiency: with an integrated all-in-one climate system

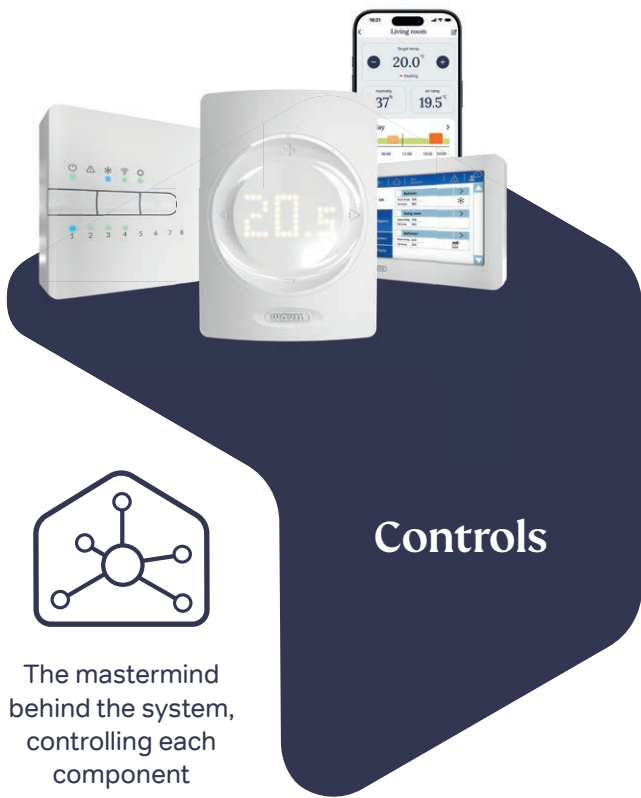
True energy optimisation comes from treating heating, ventilation, and controls as one connected system. Whether in a detached home or multi-occupancy building, integrating these elements unlocks higher levels of performance, efficiency, and comfort.

Wavin's Indoor Climate Solutions delivers a fully integrated system where every component communicates to optimise the indoor environment. The heat source responds to demand to prevent overheating, ventilation adjusts intelligently to minimise heat loss, and zone controls provide

comfort exactly where and when it's needed. The result is a balanced indoor climate, improved energy efficiency, and smarter living.

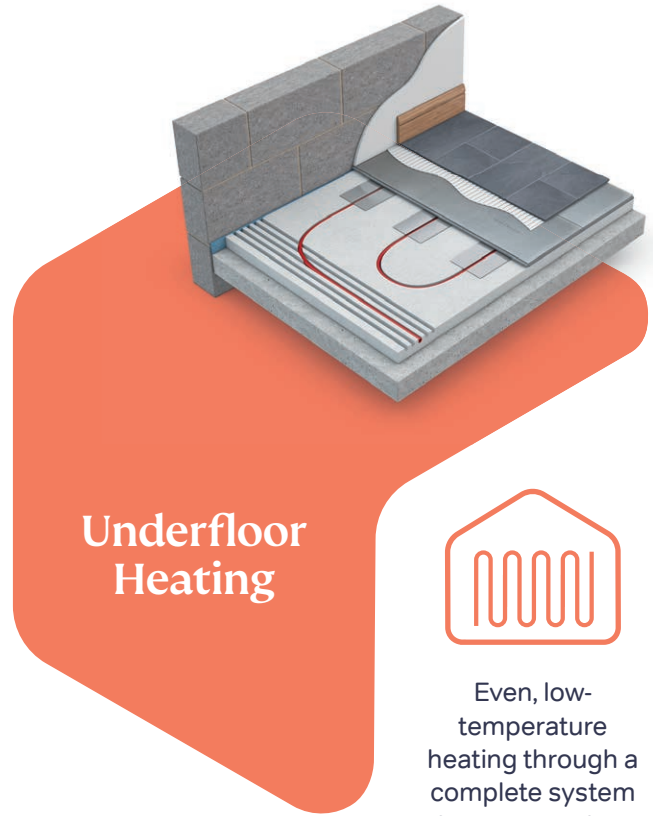
As the only provider offering a networked all-in-one solution, Wavin combines underfloor heating, heat interface units, and heat recovery ventilation into a single centrally managed system via the Sentio controller. Acting as the system's intelligent hub, Sentio coordinates every component for optimal performance and remote app-based control. Compatible with heat pumps and radiator thermostats, the compact, easy-to-install system is ideal for properties where space is limited.





Controls

The mastermind behind the system, controlling each component individually, or combined for true efficiency.



Underfloor Heating



Even, low-temperature heating through a complete system of pipes, manifolds, panels and controls.



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Heat Interface Unit

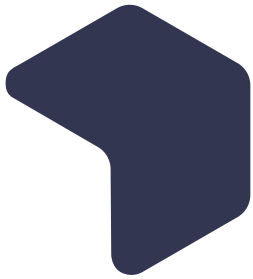
Surface heating and domestic hot water is produced with just one unit per household.



Ventilation



Combining heat recovery with ventilation, the unit transfers heat from exhausted air to warm the fresh, inlet air.



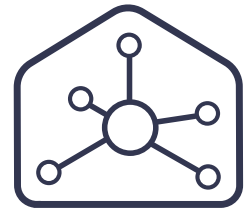
Why smart controls?

Smart controls make low-carbon heating and ventilation easier to design, manage, install and live with. They turn fixed systems into responsive systems: matching output to demand, keeping occupied rooms comfortable, and reducing unnecessary heat in spaces not being used.

For specifiers and building owners, that means better performance from the systems already chosen. For installers and service teams, connected controls improve set-up, visibility and troubleshooting. For homeowners, schedules, zones and remote adjustment make comfort feel simple, not technical.

As homes become better insulated and heating operates at lower temperatures, accurate control matters more. It helps prevent overheating, supports efficient operation and keeps comfort consistent across rooms, seasons and changing routines. It is the invisible layer that transforms individual products into a coordinated climate.





Why Sentio from Wavin?

Sentio is Wavin's intelligent control platform, bringing the home's climate components together, with practical features that support design, installation, service and everyday use.

One platform

Controls underfloor heating and radiator thermostats through the same app.

Heat optimisation

Prevents temperature overshoot for compliance with Part O.

Faster set-up

Sentio All Inclusive supplies the exact components pre-configured and pre-connected.

Smarter performance

Zone control, auto-balancing and weather compensation help maintain stable room temperatures.

Connected service

SmartConnect enables remote maintenance, monitoring and support.

Future-ready integration

Modbus connectivity supports third-party products such as heat pumps and dehumidifiers.

Sentio's unique technology also prevents heat pump cycling, improving efficiency while allowing individual room control.

With stylish room thermostats, automatic updates and robust system communication, Sentio makes advanced climate control feel simple, reliable and joined-up across single homes or multi-occupancy schemes.

Discover more about Sentio





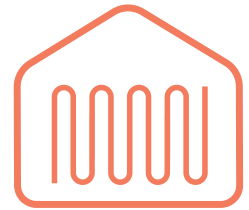
Why underfloor heating?

Underfloor heating suits modern homes because it uses the floor as a large, low-temperature heat emitter. Instead of visible radiators creating concentrated heat, warmth is distributed evenly across the room, helping spaces feel comfortable at lower flow temperatures.

That supports efficient operation and makes the system an ideal partner for heat pumps and other low-carbon heat sources. It also frees up wall space, giving specifiers more flexibility and homeowners cleaner interiors.

For developers and building owners, underfloor heating can add future-ready appeal across new-build and renovation projects. For installers, established system options make it adaptable to different floor constructions. When properly designed, installed and controlled, it delivers quiet comfort, efficient performance and the simple luxury of warm floors underfoot.





Why Comfia from Wavin?

Comfia from Wavin combines practical underfloor heating solutions with technical expertise, ideal for both residential and commercial projects, with components selected to work together from specification to installation.

1 Complete portfolio

Pipes, manifolds, mixing units, panels, accessories and controls.

2 Project flexibility

Options for new builds, renovations and different floor constructions.

3 Easier planning

Calculator tools help create quotes, material lists and project records.

4 Installer support

Clear guidance, how-to content and UK merchant availability.

5 Connected comfort

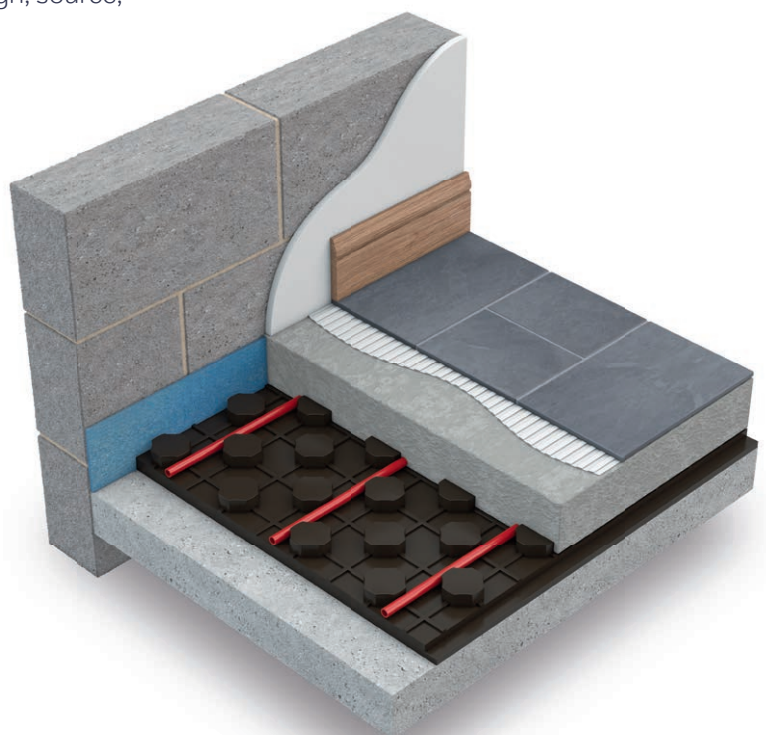
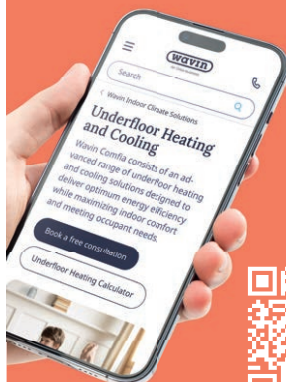
Sentio integration enables room-by-room control and scheduling.

6 System confidence

Quality-assured components from one familiar supplier.

Comfia keeps the focus on dependable delivery: a coherent underfloor heating system that is easier to design, source, install and control, from one trusted supplier.

Discover more about Comfia





Why district heating?

District heating supplies heating and hot water to multiple homes from a central energy source, through a shared pipe network. It is especially suitable for apartments, mixed-use schemes and urban developments where individual boilers are less practical or less future-ready.

By centralising heat generation, networks can use larger, more efficient heating products and connect to lower-carbon sources over time, including waste heat, heat pumps and renewables. That gives specifiers and building owners a scalable route to decarbonisation, while removing the need for an individual heating unit inside each home.

For residents, the goal is simple: reliable heating and hot water, with individual control and clear billing. For installers, standardised dwelling interfaces can support repeatable, efficient delivery across multi-unit developments, from the building network to each dwelling.





Why Calefa from Wavin?

Calefa is the link between a heat network and everyday comfort for inhabitants, turning central heat into space heating and domestic hot water for each home.

1 Adaptive learning

Adjusts hot-water preparation around household demand.

2 Weather compensation

Uses an outdoor sensor to respond to changing conditions.

3 Shared sensing

One wireless sensor can serve several residential units.

4 Hot-water priority

Maintains shower and tap flow at peak demand.

5 Space saving

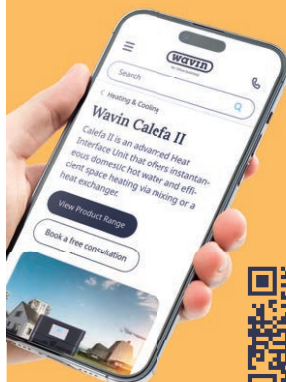
Removes the need for a hot-water storage tank.

6 Fast commissioning

Automatic configuration simplifies heating and hot-water set-up.

The result is a smarter HIU that provides responsive comfort with efficient and straightforward operation, and remote access via the Sentio smart app.

Discover more about Calefa



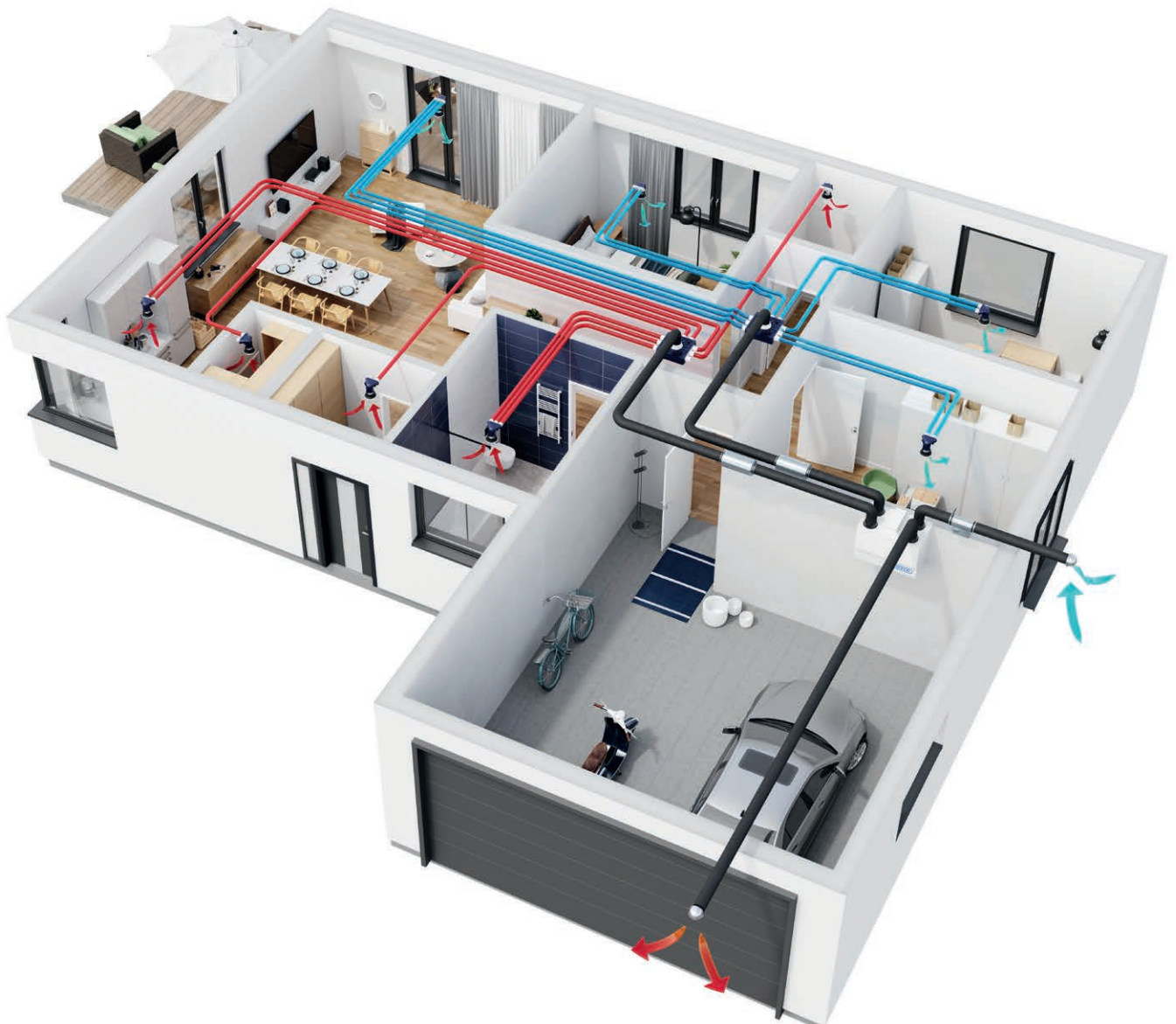


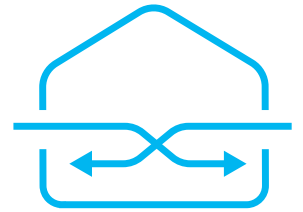
Why ventilation?

Ventilation is essential in well-insulated, airtight homes. As uncontrolled draughts are reduced, fresh air needs to be introduced deliberately and stale, moisture-laden air removed. Without that balance, homes can become stuffy and more vulnerable to condensation, damp and mould.

Good ventilation improves indoor air quality by helping remove CO₂, cooking smells and everyday pollutants from cleaning products, furnishings, finishes and daily home life. It also protects the building fabric by managing humidity.

Mechanical ventilation gives specifiers, installers and building owners a predictable way to meet performance and regulatory requirements, without relying on residents to open windows. With heat recovery, useful warmth from outgoing air can be transferred to incoming fresh air, improving comfort while reducing heat loss.





Why Ventiza from Wavin?

Ventiza is Wavin's MVHR solution for delivering controlled fresh air with high efficiency heat recovery and a practical installation approach.

MVHR units

Engineered for energy efficiency, filtration and straightforward commissioning.

Radial ducting

Semi-rigid continuous runs mean fewer connections, reducing leakage risk and installation time.

Full system control

Ventilation, filtration and energy recovery are managed as one solution.

Part F support

Designed to help projects meet domestic ventilation requirements.

Comfort details

Controlled airflow helps limit draughts, outdoor noise and the need to open windows.

Healthy-air features

Controlling filtration and humidity helps reduce allergens, pollutants, odours, mould risk, fungi and dust mites.

Combined with Wavin's range of indoor climate solutions, Ventiza makes ventilation a coordinated part of the whole home comfort strategy, easily controlled via the Sentic smart app.

Discover more about Ventiza





Advancing indoor comfort, every step of the way

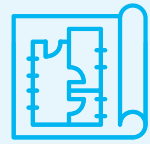
Building owner

- Complete solution supply: A comprehensive underfloor heating portfolio, including controls, pipes, manifolds, and panels, tested and designed to work seamlessly together.
- No expansion modules necessary – all functions built into Sentio.
- Wireless incl. infrared/wired/combination possible.
- Warranty (with complete all-in-one system solution).
- All-in-one control system: one controller, one app, one point of contact.
- Wavin support available for configuration.
- Building health is prioritised with humidity sensors helping to prevent mould. No need to rely on manual ventilation.



Specifier/Consultant

- Wavin is a reliable partner with technical expertise and globally renowned solutions.
- Extensive product portfolio to suit all requirements.
- Consultancy: Wavin guides to specifying the optimum solution.
- Sustainability focused with bio-based products.
- Continuous product and services development.
- Calculators and BIM models.



Installer

- Access to on-site training for installers.
- Advanced and reliable communication with the Wavin experts.
- Wavin Installer Network with additional benefits for members.
- Digital calculators and tools.
- Trusted products with advanced communication protocols. Easy to install – simply Connect-Set-Go.
- Complete indoor climate solution with one controller.
- Complete UFH portfolio.
- Sentio All Inclusive with pre-commissioned delivery of controls.
- Simplified remote maintenance via Sentio SmartConnect.
- Automatic updates when connected to internet.
- Technical support.



Homeowner

- Simply controlled with one app for the complete indoor climate solution.
- Energy saving and increased comfort with scheduling and zonal control.
- Thermostats designed to fit with room aesthetics, only lighting when operated.
- User guides available 24/7.
- Warranty for peace of mind.
- System elements communicate remotely with no manual intervention required.
- A healthy indoor climate is achieved with optimum ventilation, reducing risk of moisture, mould, allergies or unwanted odours.
- Reduced energy consumption with MVHR – cool external air heated by exhausted internal air.
- Hassle free operations with remote access for maintenance via Sentio SmartConnect.





The solutions for advancing indoor comfort

Superior Indoor Climate Solutions

With these components, you can implement integrated all-in-one climate solutions that combine maximum living comfort with the best possible health, economic and ecological characteristics.






Sentio
Controls




Comfia
Underfloor
Heating

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Calefa
Heat Interface
Unit




Ventiza
Ventilation



Who is Wavin?

Wavin is a leading manufacturer of plastic drainage piping solutions for above and below ground projects, bringing knowledge and innovation to help deliver buildings that perform better, both today and in the future.

Building for tomorrow

Part of the Orbia group, our main purpose is to advance life around the world, delivering essentials that positively change the way people experience everyday life. Whether residential, commercial, or industrial, we believe in building better to help enhance the environment for future generations.

Our solutions



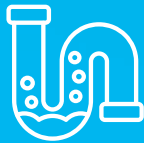
Indoor climate solutions

Energy efficient solutions
for indoor comfort



Hot and cold water

Reliable water
distribution systems



Soil and waste water

Robust, low-maintenance
drainage systems



Urban climate resilience

Sustainable drainage
solutions



Rainwater solutions

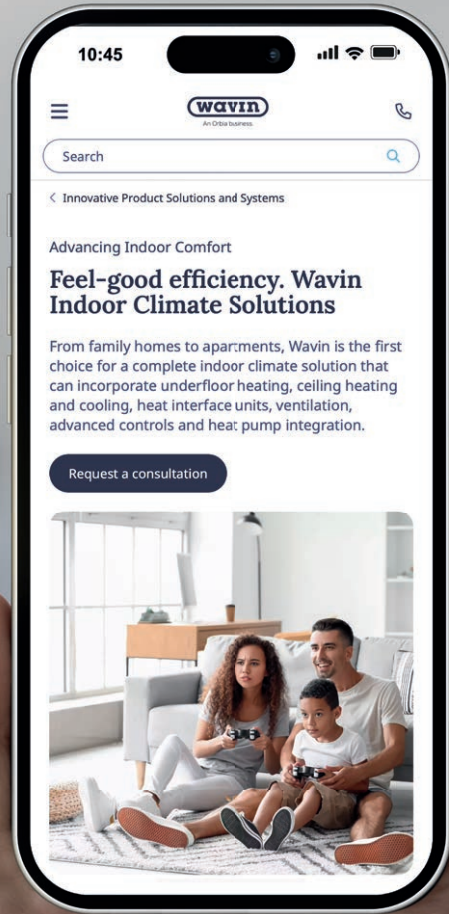
High-performance
guttering systems



Contact us to advance indoor comfort



Scan to discover more or email indoorclimate.uk@wavin.com



Building & Infrastructure



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.

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