



ASTEC *therm*
Heating
Solutions

Your heating professionals

Underfloor and Infrared Heating Solutions
+ much more

Our story

Over 20 years experience in heating buildings across Europe

With over 20 years of experience, Galvin Broughton and Adam Butcher have established themselves as leaders in innovative heating solutions, providing warmth and comfort to diverse projects, from individual home extensions to large-scale housing developments. At ASTECtherm, we specialise in advanced, energy-efficient heating technologies, including state-of-the-art infrared and underfloor heating systems designed to maximise comfort while minimising energy costs. Our dedication to innovation and sustainability ensures that every space, whether a new build or a retrofit, is equipped with the most efficient heating solutions available. We pride ourselves on delivering exceptional customer care, supporting clients at every stage, from planning to installation and beyond, to ensure seamless, high-quality heating solutions that align with modern, eco-conscious standards.



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Efficient and Comfortable Heating with Infrared Technology

Infrared heating is a revolutionary solution for warming spaces, offering both comfort and energy efficiency. Unlike conventional radiators that heat the air, infrared heaters directly warm objects and people in a room. This radiant heat is absorbed by walls, floors, furniture, and your body, providing a consistent and gentle warmth that feels like the sun on your skin.

By heating the surroundings instead of the air, infrared heating avoids the discomfort of cold drafts and ensures an even temperature throughout the space. It's an ideal solution for both homes and offices, offering fast heat-up times and reducing energy consumption. This makes it not only eco-friendly but also cost-effective.

With sleek, discreet designs, infrared heating blends seamlessly into any room, providing a modern heating solution that optimises comfort while lowering your carbon footprint. Perfect for those seeking both warmth and efficiency!

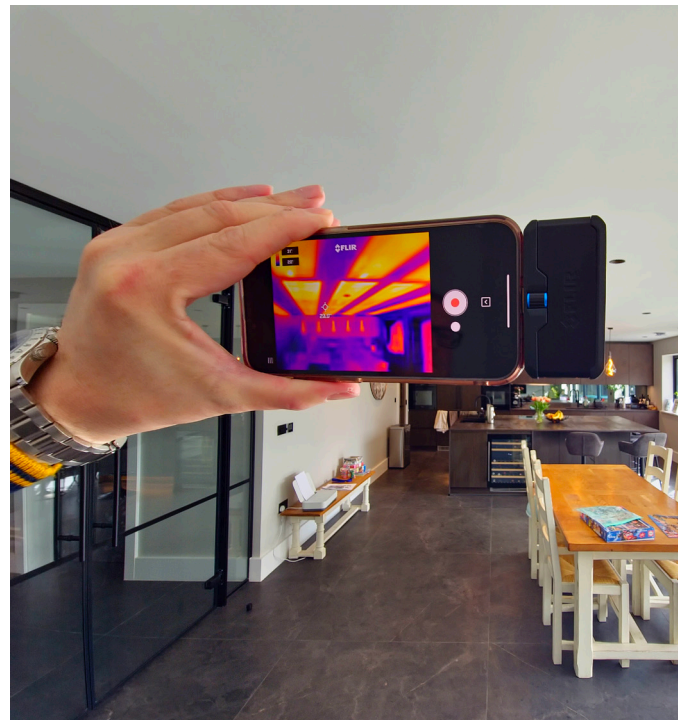
infrared heating

Infrared Panels vs. Plastered-In Infrared Heating

Infrared panels are sleek, standalone units mounted on walls or ceilings. They emit radiant heat to warm the room directly and are available in various styles, making them both functional and aesthetic.



Plastered-in infrared heating, on the other hand, is completely integrated into the structure of the room. Hidden within walls or ceilings and covered by plaster, it offers invisible, seamless heating without any visible units. While infrared panels are easy to install and reposition, plastered-in systems provide a more permanent, minimalist solution, blending with the décor for a sleek, clutter-free finish.



We have various options to heat your home with underfloor heating – Water or Electric

ASTECherm's water and electric underfloor heating systems provide efficient, comfortable warmth for any building, whether residential, commercial or industrial.

Water Underfloor Heating

Our water-based systems circulate warm water through pipes installed under the floor, evenly heating the space from the ground up. Ideal for larger rooms or open-plan areas, this system works well under tile, wood, and stone flooring. Water underfloor heating is a space-saving solution, especially effective in areas where wall-mounted radiators aren't practical, like open-plan living spaces and large bathrooms. It's also compatible with renewable energy sources like heat pumps, making it energy-efficient and eco-friendly.

Our water-based systems can also be installed with **overlay boards**, perfect for retrofit applications where clients prefer not to dig up existing floors. These slim overlay boards make it possible to add water underfloor heating to existing rooms without major renovations, offering an efficient, space-saving solution for both new and existing buildings.

Electric Underfloor Heating

For smaller spaces, our electric underfloor heating provides a flexible, easy-to-install option. Thin heating cables directly warm the floor, perfect for bathrooms, ensembles, and conservatories. With a low profile, this system fits seamlessly into renovations or rooms with limited floor depth.

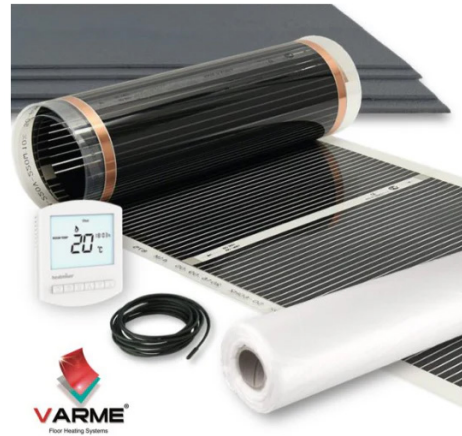
Both systems allow precise temperature control, enabling you to optimise comfort and efficiency in every room. ASTECherm underfloor heating offers a versatile solution, adaptable to any room type and building layout.

underfloor heating

Underfloor Heating Solutions



Water Underfloor Heating



Carbon Heating Film (Wood Laminate)



Under Tile Heating Mats (150w and 200w)



Under Tile Cable Kits

Controlling your heating using the very latest in smart controls

At ASTECtherm, we are proud to offer a comprehensive range of Heatmiser digital thermostats designed to enhance the comfort and efficiency of your heating system. Among our top products are the Heatmiser AS01 Slimline E and the Neo-E Digital Thermostat, both of which provide exceptional control over your indoor climate.

The AS01 Slimline E is known for its sleek design, making it an ideal choice for modern interiors. This digital thermostat features an easy-to-read LCD display and user-friendly interface, allowing for effortless temperature adjustments. Its slim profile not only saves space but also adds a touch of elegance to your walls. The AS01 Slimline E is compatible with various heating systems, ensuring versatility and ease of installation.

For those who prefer the convenience of smart technology, the Neo-E Digital Thermostat offers app-controlled functionality. With the Neo-E, users can manage their heating remotely through a smartphone app, providing ultimate control over their home environment. This thermostat enables you to set schedules, adjust temperatures, and monitor energy usage, all from the palm of your hand. The Neo-E also features a sleek design that complements any decor, making it both a practical and stylish addition to your home.

At ASTECtherm, we are committed to providing innovative heating solutions that prioritise comfort and energy efficiency. Explore our range of Heatmiser thermostats and discover how they can transform your heating experience.

thermostats

Range of Thermostats & Accessories



AS01 Digital Thermostat
Water and Electric Options



Neo Digital
Thermostat Water and
Electric Options



NeoHub - up to 32 zones

Insulation for Underfloor Heating Systems

Tilebacker Boards

Using Tilebacker boards beneath underfloor heating brings a range of benefits that enhance efficiency and performance. These boards act as a thermal insulator, preventing heat loss into the subfloor and directing more warmth upward into the room, making the heating system more effective and reducing energy consumption. Tilebacker boards are moisture-resistant, which adds durability, especially in bathrooms, kitchens, or other wet areas, and prevents the growth of mold or mildew. They are also lightweight and easy to install, reducing labor time and costs. The boards create a stable, level surface for tile application, minimising the risk of cracking or movement in the flooring. By providing a reliable layer of insulation and support, Tilebacker boards help underfloor heating systems operate at their best, resulting in a more comfortable living space with efficient and consistent warmth that can lower energy bills over time.

Depron Insulation

Depron Foam insulation is an ideal solution for use beneath carbon underfloor heating systems, offering excellent thermal efficiency. Thanks to its special cell structure, Depron does not conduct heat, meaning that when laid in 3mm or 6mm thicknesses, it effectively reflects warmth back toward the floor surface rather than allowing it to escape downwards. This heat reflection reduces “waste heat,” allowing you to use energy more efficiently, lowering overall energy consumption.

Depron is versatile and ideal as both a flooring underlay and wall insulation. We recommend Grey Depron as the most cost-effective option for construction purposes, offering durability and insulation. Available in 3mm and 6mm thicknesses with sheet sizes of 625mm x 800mm, Depron 6mm provides excellent standards of thermal and sound insulation, along with strong physical support suitable for various flooring types

insulation



Tile backer boards are ideal for wall and floor tiling in bathrooms, kitchens, and ensuites. We recommend 6mm or 10mm boards for flooring, and 10mm or 12.5mm for walls, providing strength even for large tiles up to 1m x 1m and 12mm thick. Max Tile Load Capacity: 62kg/m².

Insulated XPS Foam Core & Waterproof
These boards provide excellent insulation, keeping tiles warm and boosting underfloor heating efficiency by retaining heat.

Compact, Easy-to-Install Size

Each 600mm x 1200mm board is easy to transport and fits into tight spaces. It suits stud centers (300mm, 400mm, 600mm) with no extra cuts needed.

Cuts Easily with a Utility Knife

Quickly cut to shape with a utility knife, eliminating power tools. Secure with 3.5mm-4.5mm screws and 36mm washers (15 per board, sold separately).

Fibre Cement Board Face for Better Adhesion

The rigid cement surface offers superior adhesion for tiles, ensuring a strong bond that minimises grout cracking by reducing movement.



Depron Foam Sheets are a versatile, high-efficiency extruded polystyrene insulation material, perfect for underfloor heating installations. They're designed for use under wood, laminate, or even carpeted floors.

Ideal for model makers as well, Depron is a lightweight, strong material that is easy to work with and affordable. See technical information below.

Depron sheets are manufactured from fully recycled materials and are free from Freon and Halogen, made of foamed polystyrene that does not degrade over time. The fine, closed-cell structure of Depron gives it outstanding physical and mechanical properties.

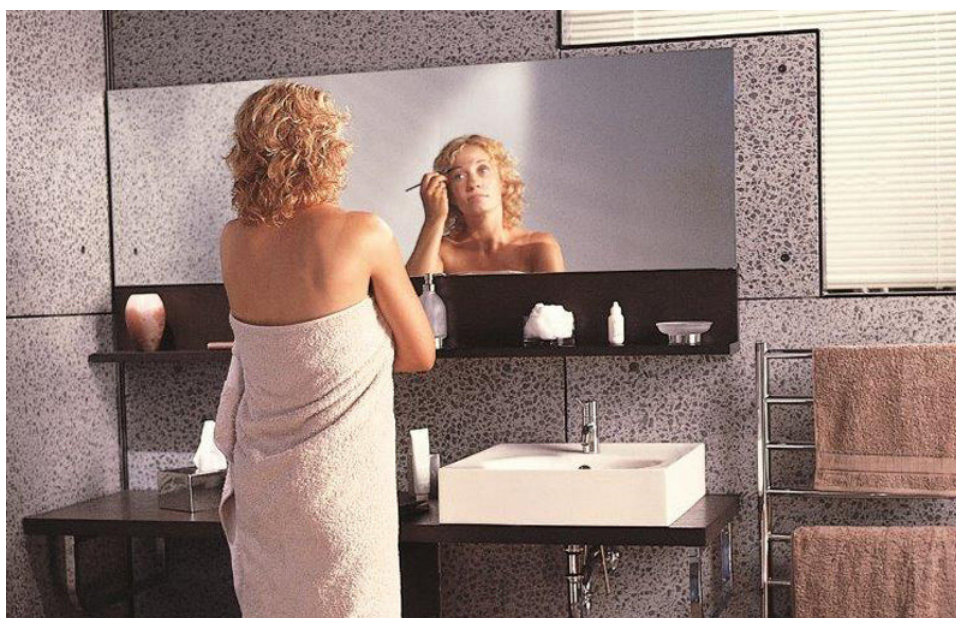
Energy-Saving Insulation

Depron's unique cell structure minimises heat conduction, allowing heat to be effectively reflected back to the floor surface. By retaining heat that would otherwise be wasted, Depron helps lower energy consumption and optimise heating efficiency.

Mirror Demisters – Keeping your mirrors mist free

Mirror demisters are essential for keeping bathroom mirrors fog-free, making them ideal for bathrooms, en-suites, and wet rooms. These slim heating pads attach to the back of a mirror, warming its surface just enough to prevent condensation after hot showers or baths. Once connected, often to the lighting system, demisters activate automatically and cost around 2 pence per day to run, making them both convenient and energy-efficient.

Not only do they keep mirrors clear, but demisters also enhance the bathroom's aesthetics by eliminating the need to wipe off steam, which can leave streaks or smudges. Available in various sizes, they're suitable for mirrors of any shape or design, blending seamlessly with modern décor. Especially beneficial in high-humidity environments or busy households, mirror demisters add a touch of luxury and functionality, ensuring a clear mirror whenever you need it.



mist free mirrors

A lot of luxury without a big price tag





At Urbanpods Bespoke Garden Rooms, we're dedicated to pioneering technology and delivering top building solutions. Our first experience with ASTECtherm came through a client, and since then, our satisfaction with their product and service has been unwavering, matching our clients' contentment. With ASTECtherm heating in over 120 structures, we highly value them as a supplier and look forward to a long, rewarding partnership.

Ross Iwaniec
Urban Pods - Scotland



Planning our new office/showroom, I wanted to keep wall space free for displays without radiators in the way. Underfloor heating was beyond my budget, but my electrical contractor recommended ASTECtherm as a cost-effective alternative. The system is so discreet (invisible, in fact!) that I often use a thermal imaging camera to show visitors it's even there. I'd happily recommend this system.

Paul Morris
Love Your Blinds - Shropshire



I purchased a retro-fit heating system for my home from ASTECtherm. Galvin and Adam were incredibly helpful from the start. I arranged my own contractors, and Adam was available to answer all installation questions. The system works perfectly, is invisible, space-saving, and can connect to renewable energy. I highly recommend ASTECtherm for their product and service. We plan to retrofit the ground floor with their heating too.

Fabio Major
Home Owner - London



I first saw ASTECtherm on Instagram and was skeptical, but after speaking to Galvin, I ordered a two-room system for our lounge and gym renovation. The team was always available to answer questions, and the system was easy to fit and completely invisible. Removing the gas radiators has left a warm, clean space. The heating is unlike anything we've experienced, and combined with solar, it'll be very affordable to run. We're now planning a full-house installation with ASTECtherm.

Mike Kilby
Home Owner - Dorset

testimonials

Urban Pods – Case Study

Urbanpods Achieve A-Rating with ASTECtherm Heating Solutions

Overview

Urbanpods has attained an **A Energy Rating**, showcasing their dedication to sustainable living. Central to this success is the integration of ASTECtherm’s energy-efficient heating systems in every building.

Challenge

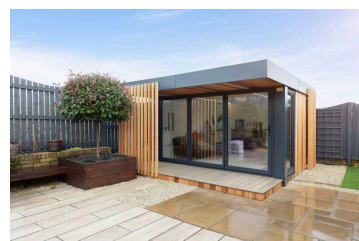
To meet the highest energy efficiency standards, Urbanpods needed a low-energy heating solution that provided comfort without increasing energy usage.

Solution

Partnering with ASTECtherm, Urbanpods installed advanced infrared in each building. These systems, designed to reduce heat loss and energy demand were essential to achieving the A rating.

Outcome

ASTECtherm’s solutions assisted Urbanpods to deliver an eco-conscious, energy-efficient space, setting a standard for sustainable modern living.





At ASTECtherm, we thrive on
delivering exceptional
customer service, ensuring
top-notch heating solutions
and satisfaction every time

Attention to detail is essential for every project

At ASTECtherm, we take a comprehensive approach to every heating project, ensuring no detail is overlooked. We carefully assess all aspects, from insulation and glazing to the unique requirements of each client. By evaluating the building's energy efficiency and understanding specific needs, we provide tailored heating solutions that optimise comfort and reduce energy costs. Our commitment to precision and customer care ensures that every project receives the thoughtful attention it deserves, delivering superior results.



What heating solution is best for you and your family?

At ASTECtherm, we take pride in working hand-in-hand with you to provide the most efficient and tailored heating solution for your home. Our dedicated team will assess your specific needs and preferences to recommend the ideal system, whether it's water underfloor heating, electric underfloor heating or cutting-edge infrared heating.

We'll evaluate factors like room sizes, energy efficiency, and your family's lifestyle to find the perfect match. Our goal is to ensure long-term comfort, lower energy bills, and a warm, cosy environment for you and your loved ones.

With our expertise, you can trust that the solution we provide will be tailored to your home and deliver exceptional results for years to come.

