EasyFlow

Underfloor Heating & Liquid Floor Screed

QMS ISO 9001 REGISTERED

The Underfloor Experts

The Underfloor Heating Specialists

Planning and Design

We are dedicated to providing our clients with the very best in underfloor heating systems, together with customer care above and beyond expectations. Our experienced consultants are dedicated to investing their time in planning and designing your underfloor heating system, ensuring that you are supplied with an underfloor system of the very highest standard. Good advice and quality products go hand in hand and this ensures that you get the best possible results from your heating system.

Our FREE planning and design service includes:

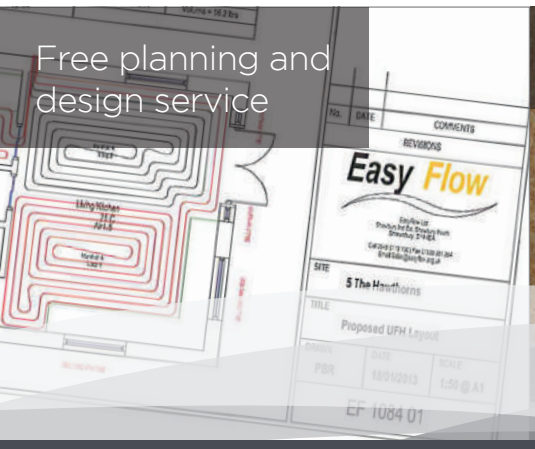
- Full CAD design service produced from your Architect's Plan, this is bespoke to your project and should not be confused with a schematic drawing. This will include full pipe layout, heat loss calculations, manifold locations, technical data and pump information duties.
- Planning and design can take place with limited impact on your time. In many cases a site visit isn't necessary, unless the project installation is particularly detailed. In the first instance most questions can be talked through over the telephone, and only then if necessary, would a site visit be arranged at cost, which is deducted from the total invoice amount once an order is placed.
- Our technical team of consultants have many years of experience within the underfloor heating industry and are competent in project managing a wide range of commercial, trade and residential heating and screeding projects.

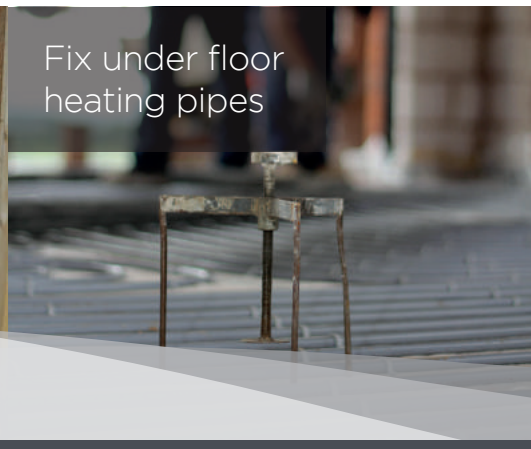
Installation and Workmanship Guarantee

Our team of friendly, specialist, underfloor heating engineers, are on-hand to install and test your new system. Once your underfloor heating system is installed, you will be provided with a Workmanship Guarantee Certificate. Our guarantee means that your system will be our responsibility for 2 Years from installation date. In the rare chance that any defects occur as a result of our installation process, the certificate will cover call out charges and labour costs that would have normally been incurred.

Free Commissioning

We offer a free commission visit with every installation of UFH and screed, this ensures that your system is balanced, set correctly, and working at optimum temperatures. Maximising heat outputs and minimising energy consumption, our heating engineer will also spend time with the homeowner or designated operator to familiarise them with all of the controls and thermostats and to ensure that they are comfortable with using the system correctly. We recommend a yearly service and commission to ensure the smooth running of the UFH system, a reminder will be sent automatically when this is due.





100 Year Underfloor Heating Pipework Warranty

All products that we supply are of the highest standards and have the assurance of the German pipe manufacturer's guarantee directly with the manufacturer, this is unique to our company in the UK.

Environmentally Green Systems

As a company our ethos has always been to be as green as possible, we take this very seriously and have improved our heating systems to reflect this by using cutting edge technology and always striving to develop and educate our staff on the latest build principles. Building and designing energy efficient systems within homes and businesses has become a way of life, and this in turn saves money and the planet we all live in today and for future generations. In most cases our customers have found that our systems have paid for themselves in a little as 2 years through energy savings.
With new legislation pending and Government incentives such as the Green Deal it makes sense that there is an underfloor heating system available for every project application. From new build to refurbishment, from Church to Barn and shopping centre all projects are readily acceptable for underfloor heating.

Green credentials:

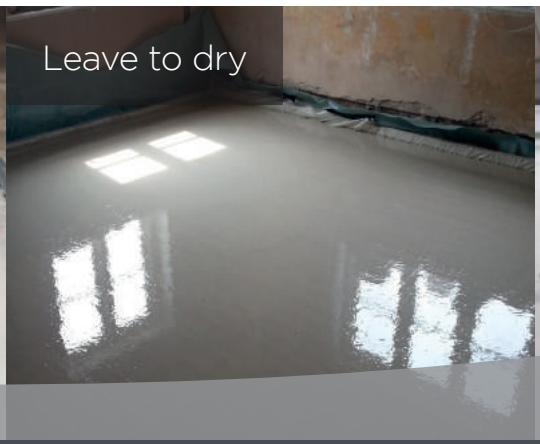
• 98% Recycled Liquid Flow Screed, utilising products that would normally have gone to waste and landfill we supply a reduced thickness screed, normally around 50mm. This creates an excellent thermal conductivity of over 30% above a sand and cement screed, which means it's more responsive, warms up and cools down quicker and gives a much better control over and above using a sand and cement screed. Therefore saving you money on operating costs and reducing your fuel consumption.

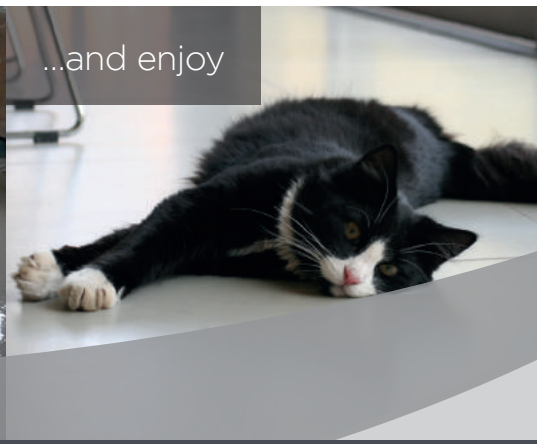
• We offer 100% recycled tray panel that UFH pipework can sit into, this is made from off cuts of surplus manufacturing products, which are ground down and moulded into trays, some of which are now being mixed with thermo activating products.

• Our packaging and waste products are recycled downstream into useful items, for example our surplus or scrap pipework is recycled into garden furniture and other miscellaneous items.

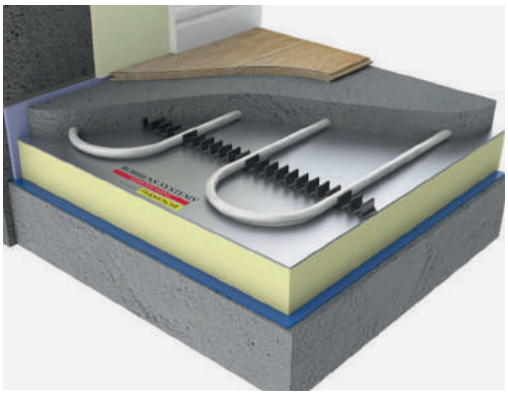
Dedicated Consultant – Every Step Of The Way

All of our clients are given a complete one to one service and a dedicated consultant to 'hold their hand' through the process of purchasing their underfloor heating system. Working through the Architects technical plans, to pre-installation and post-installation stages, our consultants spend as much time that is required to ensure that the client is completely comfortable and fully understands the system they are purchasing. During the pre-installation and post-installation stage our consultant will liaise with other contractors who may be working on the client's project to ensure that our part of the process runs as smoothly as possible and timelines are met.





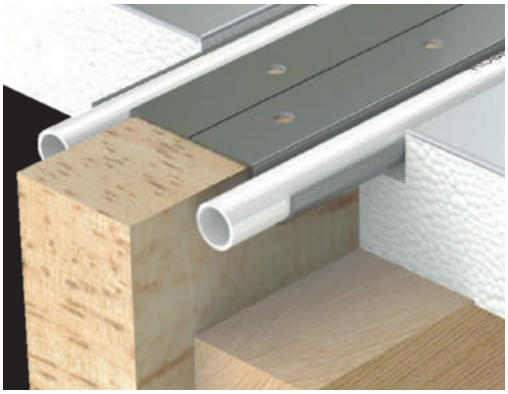
Underfloor Heating



Easy Standard

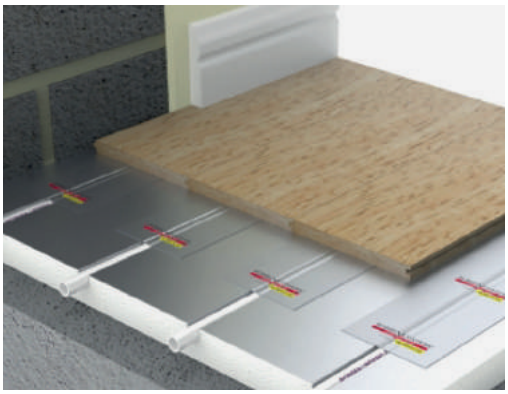
EasyStandard floors are probably the most popular of all the floor constructions that we supply underfloor heating systems for. They are essentially systems where pipes carry warm water through the floor while encased within concrete or screed.

These systems traditionally tend to be used with a normal screed or concrete, however modern liquid screeds available can make the installation quicker and even improve the thermal output of the system.



Easy Joist

The Easy Joist system can be used in a variety of installation scenarios. The most common tend to be on first floors in new and older buildings. They likely to be used on older buildings when carrying out renovation work. They are a very lightweight system, making it suitable for most joist types. These systems have no thermal mass like a solid floor and rely on heat spreader plates to distribute the heat. This means they are very fast acting and heat up very quickly, even from cold.



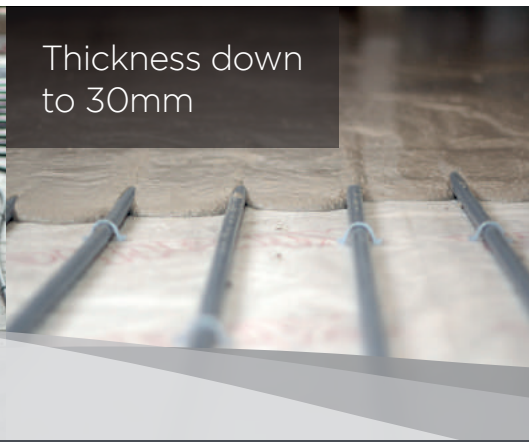
Easy Panel

The Easy Panel system can be used in any project where underfloor heating is required but there is limited build up height available. These can vary from new builds through to older renovation projects.

Easy Panel is available in foiled or unfoiled versions for use with aluminium heat spreader plates.

Delivered to your door

Ideal for underfloor heating



Thickness down to 30mm

Case Study

We would like to thank the Easyflow team for all their work and making our home a home again.

Lenny The Lion aka Ron Millar

Lenny the Lion contacted Easyflow to design a bespoke system for his house close to his beloved New Meadow, the home of Shrewsbury Town Football Club in Shropshire. Our UFH Coordinator visited Lenny at home to go through his requirements and to get a better understanding of the scope of works.

We were then able to undertake heat loss calculations for every individual room and design a system that would work perfectly for him. Easyflow designed the project using the Easy Standard system with extra clip rails in one zone due to a difference in insulation types used by the client. The screed was pumped and installed the following day, with a little help!


Pump application


Self-levelling


The perfect finish!

Liquid Floor Screed

Our Products

EasyFlow Screed is a floor screeding service using an innovative, pumpable liquid screed.
It provides fast, efficient and precise floor covering. It is ideal for under-floor heating as the screed flows around the pipes, forming a void-free finish. No voids mean greater conductivity - allowing the heat to diffuse evenly in the screed. This type of floor is also referred to as liquid floor screed, self leveling floor screed, calcium sulphate screed, anhydrite screed.

Anhydrite Screeds

Gyvlon Eco

Gyvlon Flowing Screed is a blend of Gyvlon Binder, special additives and selected aggregates mixed with clean potable water to produce a pumpable self smoothing, flowing screed.

Gyvlon Flowing Screed is designed to provide a smooth level surface in both commercial and domestic buildings prior to the application of floor finishes. It can be used Bonded. Unbonded or floating and with or without UFH.

Cementious Flowing Screeds

Topflow Horizontal

Topflow Horizontal's finishing characteristics and high quality surface finish can eliminate the need to power float concrete on site dependant on project specification. Topflow Horizontal is suitable for laying over underfloor heating

Marshalls Cemfloor

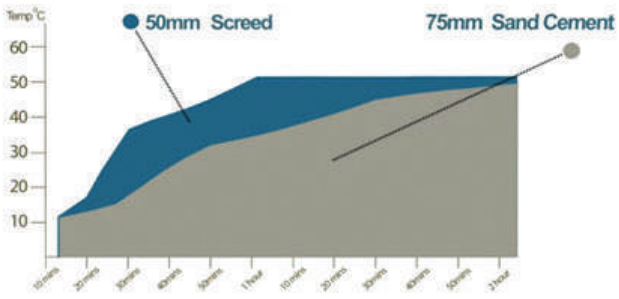
Marshalls Cemoor is made with a cement-based binder and specially formulated additives in conjunction with McGraths Limestone (Cong) Ltd. & Cemexa Technologies of France. It is pump applied due to its fluid consistency. This means that it is easier to lay, covering large surface areas in a day. It is also thinner than conventional screeds making it the natural choice for underfloor heating systems

Why Anyhydrite Liquid Floor Screeds?

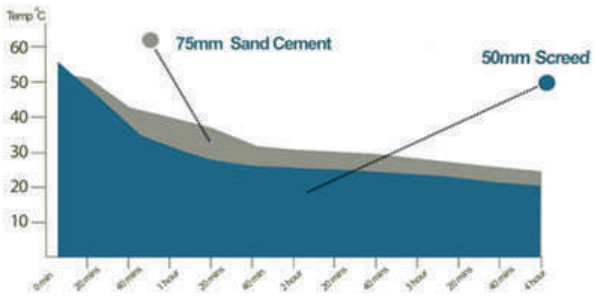
Anyhydrite flowing floor screeds are based on a synthetic anhydrite binder rather than OPC Cement giving them many unique benefits over cement screeds, the most obvious difference is their fluid application compared to semi dry cement screeds, but they also offer higher compressive and flexural strength, lower shrinkage, eliminate reinforcement, improve surface finish and greatly improved underfloor heating performance.

Anyhydrite screeds achieve this by offering higher thermal conductivity and reduceding cover to the heating pipes, greatly improving the heat performance and reaction times of the screed, this allows for a more reactive system requiring a smaller amount of energy input. The system temperature is easier to regulate due to its responsive nature allowing the building to achieve a constant temperature without the variability and thermal over shoot associated with thicker section sand cements and concretes.

Information below generated using screed samples over heat plates for comparative testing, it is not represenative of an UFH system due to in put tempertures.



Heating Performance



Cooling Performance

Environmental

The Environmental benefits of Anyhydrite can be broken down to material sourcing, manufacturing energy consumption, material delivery and material usage on site.

Material Sourcing/Recallability

Anyhydrite binder is manufactured from a synthetic anhydrite which is a by product of the chemical industry. Prior to the material being used for floor screed binder it could've gone to landfill or have been disposed of in the Fjords of Norway. Anyhydrite utilise approx 980kg of synthetic anhydrite per tonne of binder, compared to the 1.6 tonne of raw material required to produce a tonne of cement. Meaning each 1000m2 of Anyhydrite installed reduces landfill by 34 tonne. In addition to an increased recycled content in construction Anyhydrite screeds are also 100% recyclable at the end of the buildings life cycle.

Energy Consumption

Since Anyhydrite's manufacturing process doesn't require the kiln burning phase associated with cement production there is a considerable energy saving per tonne. Cement is kiln burnt at around 1450 degrees during it manufacture were as Anyhydrite is not subjected to heat other than that created during the milling process.

Material Delivery

Anyhydrite binder is delivered from our production facility to readymix plants, transmix delivery units and bagging facilities where it is silo stored ready to be converted to screed mortar or pre blended bagged material as required. The eliminates the generation of unnecessary amounts of waste packing and the associated environmental impact.

Material Useage

All of Anyhydrite's screed and system solutions benefit from higher flexural and compressive strengths than you'd expect from sand cement, meaning the total screed depth can be greatly reduced offering up to a 40% saving in the raw material required and delivery truck movements.

Nationally...
we've got it covered.

For advice or a FREE consultation:

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TARMAC A CRH COMPANY
AGGREGATE INDUSTRIES
GYVLON
MINCRETE Ready Mixed Concrete Specialists
Marshalls Premier Mortars and Screeds
ROBBENS SYSTEMS is a part of FRÄNKISCHE
GYPSOL
TOPFLOW SCREED A
maxi READYMIX CONCRETE
heatmiser