

Hot news

Underfloor heating has witnessed rapid growth recently with major technological advances:

Magnum Heating was invited by main contractor Balfour Kilpatrick to provide electric underfloor heating for the prestigious new Missoni 5 Star Hotel.

Magnum's design team designed and supplied a system for the prefabricated metal floored bathroom pods for 130 rooms. Using experience and combined with a computerised design

Enerfoil low voltage foil electric underfloor heating system from Magnum Heating

system, the company produced a solution for this unusual installation, and then provided ongoing support during the implementation.

The product chosen was Enerfoil low voltage foil which is said to allow comfort heating with economy. Being only 0.2mm thick it can reportedly be installed without raising the floor level significantly.

Magnum Heating supplies the trade and wholesalers with cable, mat and foil heating systems, all

said to exceed the most stringent regulations.

www.magnumheating.co.uk

Myson supplied its Floortec underfloor heating for 328sq m of office space and changing areas at Crystal Rigg wind farm, in Dunbar, Scotland.

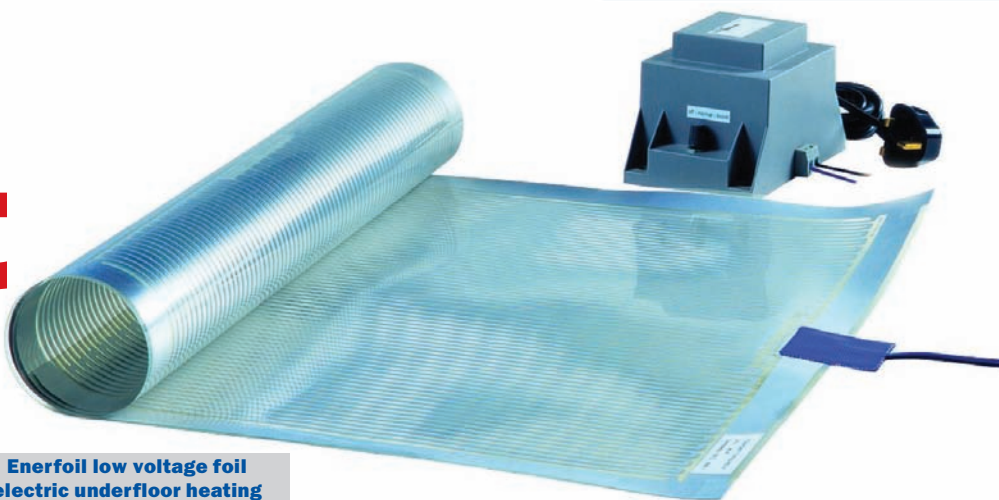
The choice is reportedly a result of the company's ongoing relationship with Reid Underfloor Heating (Scotland).

Myson Floortec has been installed beneath a screeded floor and the heat will be powered by the wind farm.

Stephen Reid, director, said: 'We have been using Myson's underfloor systems for 12 years. Crystal Rigg is the latest in a string of recent installations with Myson Floortec, including a project on the Isle of Arran and we hope there will be many more to follow.'

Barry Lynch, Myson's group product manager, said: 'This project is a strong endorsement of the skills and quality within our UFH division, because it is a happy customer coming back time and again.'

'Our team bespoke designs



'UFH is both environmental friendly and efficient'



David Johnson, of Isowarm from Flowcrete, explains how underfloor heating (UFH) is well placed to meet the growing demand for greener technologies along with the need for more efficient heating systems:

Q: How is sustainable construction affecting UFH?

A: Recent developments in the market have centred on the close fit between emerging biomass boiler technology and its synergy with UFH. Biomass boilers – which run off wood pellets from sustainable sources – are being increasingly specified in the UK. UFH can work in harmony with this type of new technology as it is more efficient than many conventional types of heating system.

UFH also works well with heat pumps and ground source systems, which are also becoming more widely used. These operate at lower temperatures and so work well with UFH. Overall, the use of UFH allows these emerging heat systems to work more efficiently and save energy, which in turn helps the environment.

Most buildings tend to have condensing boilers specified within the UK, which again is indicative of the greater emphasis being placed on energy efficiency. UFH can run in conjunction with these condensing boilers, which work more efficiently at low water temperatures.

Q: Give examples of innovation?

A: UFH needs to work with other elements in the construction process to keep its pioneering position in the marketplace. An example of



Floorzone concept from Flowcrete

innovation is the work we've done at Flowcrete, to develop the Floorzone concept, which caters for the complete floor area and incorporates the Isocrete Acoustic K system, Isowarm UFH, Isocrete K-Screed and decorative resin finishes.

The package allows specifiers to achieve a high acoustic performance, screed and energy saving UFH – along with a decorative floor finish with just one contractor responsible for the entire procedure.

As well as delivering energy savings of up to 30% compared to conventional heating systems, other 'green' benefits include all products arriving on site from one source, and the number of contractor visits to site reduced as well.

We are also looking at using UFH as a cooling system for buildings in the summer. This will mean buildings have one system for heating and comfort cooling needs.

Q: Who are the customers for underfloor

heating and what do they look for?

A: In terms of customer needs, the main specifiers of underfloor heating systems are architects, mechanical engineers and clients themselves. They are generally looking for a maintenance free facility, controllability, a warranty and also more and more in-depth information on life cycle costings of the product, compared to other heating types.

We at Flowcrete also recognise the advantages of a single source solution for the installation of UFH, screed and decorative floor finish. Once installed they can create a complete comfort zone through their flexibility in allowing zone temperature control, setting an ambient temperature for a whole building or individual rooms. The sheer amount of control means heat is more accurately targeted.

Q: Aside from sustainability benefits, why is UFH becoming increasingly popular?

A: A number of factors are promoting the success of UFH. In general terms, products need to measure up in lifecycle costs and this – coupled with the desirability of cost-saving, environmentally friendly systems – has created the catalyst for growth in the UFH industry.

Designers also favour spaces free of clutter and, with UFH tucked away out of site, it frees up an area that would normally be taken up with products such as radiators.

Finally, due to the fact it is out of reach, it makes for a safe and secure means of heating.

When people look at the various systems which fit in within the general parameters of today's construction requirements, UFH really measures up. www.flowcrete.com **CFJ**

Underfloor heating

systems for any size and shape of property, so large projects with huge areas of flooring are no problem. UFH is a dynamic solution for uniform and efficient heat throughout a building.'

Thermonet Systems UK

part of Thermogroup UK, says its new brochure offers sustainable heating solutions in today's economical and ecological climate with an emphasis on green policies.

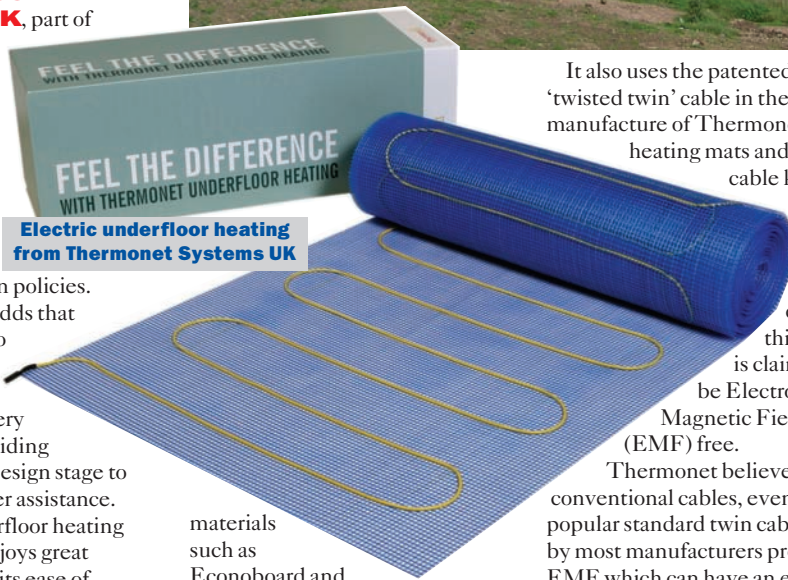
The company adds that its commitment to customer satisfaction filters through every process from providing specifications at design stage to after-sale customer assistance.

Electrical underfloor heating reportedly still enjoys great popularity due to its ease of installation and efficiency of use.

Thermogroup UK recommends using additional insulation



Crystal Rigg wind farm in Scotland. Myson supplied its Floortec underfloor heating for the office space and changing areas at the wind farm



Electric underfloor heating from Thermonet Systems UK

materials such as Econoboard and similar products to help reduce energy losses from a building and improve efficiency.

It also uses the patented 'twisted twin' cable in the manufacture of Thermonet heating mats and Vario cable kits.

As well as being more durable, this cable is claimed to be Electro Magnetic Field (EMF) free.

Thermonet believes that conventional cables, even the popular standard twin cable used by most manufacturers produce EMF which can have an effect on health when present in conjunction with other fields and natural forces.

Thermogroup UK promotes the use of HeatPak overlay boards in conjunction with its under-laminate foil system.

This overlay is said to allow soft floorcoverings to be laid on top of foil electric underfloor heating with no loss of integrity or electrical safety. **CFJ**

BUYERS' GUIDE

For further information on any of the products mentioned, contact the suppliers directly. And please remember to tell them that you read about their companies in **CFJ**.

Flowcrete	01270 753000
Magnum Heating	01887 822999
Myson	0845 4023434
Thermonet	07848 455 785

Flowcrete

for the world at your feet

ISOWARM - under floor heating

Feel the heat beneath your feet by opting for our energy-saving under floor heating system, which delivers invisible, controllable heat on demand.

- EFFICIENT - energy savings of up to 24%
- GREEN - aids thermal integrity compliance
- SYSTEM - complete with retaining screed
- CONTROLLABLE - individual thermostats
- DURABLE - comes with a lifetime guarantee
- SAFE - no hot surfaces exposed

To find out more about ISOWARM and our unique FLOORZONE solution, contact us today:

Tel: +44 (0) 1270 753 000
 Email: uk@flowcrete.com
 Visit: www.flowcrete.com



www.flowcrete.com