
FORDE
Low Energy Environmental Technologies
"More energy efficient thus reducing utility bills -
Up to 30% less to operate an under floor heating system
as opposed to traditional radiators..."
www.forde-group.co.uk

Welcome

We are Forde, a specialist installer of heating technologies and Flooring systems. We offer a comprehensive design and installation service coupled with excellent consultation and customer aftercare support of Underfloor heating Systems, Heat Pumps, Solar PV, Flooring systems and specialist Floor Screeds

We work in all sectors of the construction industry including the private/self build market. We strive to be the most highly recommended installation company of low energy environmental technological systems throughout the region. To achieve this we focus on offering a quality service coupled with strong, clear and concise design and consultation. We are creating strong long-lasting relationships with clients and suppliers old and new built on honesty, quality and reliability. You can also visit our website where we hope you find the exact information you are looking for; however should you require further help and assistance please do not hesitate to contact us by email or telephone.

The Company

Since 2005 we have steadily grown to become one of Yorkshire's premier installers of low energy heating systems.

We work on small self build projects to large commercial developments and offer only the highest standards in quality and design. Our company is financially sound and is able to take on projects from £5k to £500k. Our accreditations to date include CHAS, Constructionline and we are proud Platinum members of the CSCS scheme for the site safety of our operatives. Forde are also pleased to say we are fully MCS accredited for the installation of Air Source Heat Pumps & Solar PV, while also being proud members of the RECC for offering consumer good practice. We understand that not each project is the same, and so we strive to understand the client's requirements in detail and tailor our systems to offer the best solution. We enjoy being specified on projects working closely with architects, consultants and specifiers because they know we deliver time and time again. To date we have worked with most large contractors and local authorities in the region and are proud to say that each contract has been delivered on time.

Quality

Quality design, consultation and installations are what sets us best apart from our competitors. No corners are cut, time is used efficiently and honesty is paramount. We carefully select who our supply partners are and we have very high standards, which reflects in the products we install. Each year we audit our company and that of our suppliers performance to ensure that our standards and that of our suppliers are still offering excellent value for money.

Design & Consultation

We always provide a full design and consultation service in-house. Many of our clients and customers enjoy having us as a single point contractor involved from conception to completion with the main contractor. We use specific CAD programming to produce design drawings and other systems to provide accurate heat/loss calculations to make sure that the systems we put forward to our clients meet and exceed the requirement of the structure.

Installation

Our installation teams are fully trained on every aspect of each and every product we install. All site operatives are CSCS accredited and usually work in three-man teams, with one member of each team always acting as the site supervisor in charge. This selected individual will have also been on a supervisors training course to aid in site liaison with client management and with their own team.

Ethics

We are a family-based business and treat employees, clients, customers and suppliers how we like to be treated. This means treating others with respect and being professional at all times.

Trusted Suppliers

CCF BELIMO SAMSUNG Tarmac altherma CEMEX Ecoscreed wfs sb TREMCO IVAR OJ ELECTRONICS

Underfloor Heating

What is Underfloor Heating?

Underfloor heating uses low temperature constant flow to evenly distribute heat through the floor area of a building. This type of heating is called radiant. Using the emitter in such a way demands less from the heat source i.e. boiler, thus reducing energy consumption by up to 30%. Not only is our underfloor heating system more efficient but radiant heating is more comfortable than convection as the heat transfers to nearby objects. Warm feet, cool heads – this has always been our motto.

Forde provide the following systems to best suit the type of project. Each one is then refined to optimise the efficiency of that system and design.

Alpha Forde D System

Pex-a 16 @ 200mm centres BS EN 1264-4 DIN18560 part 7 Design A2 heated thin hard conductive screed system. The system is designed for new build and refurbishment of dwellings. Simplified controls direct to the heat source ASHP, Fossil-fuel Boilers. Standard EPS grade 100 Insulation to meet Part L.

Alpha Forde C System

Pex-a 20 @ 200mm centres BS EN 1264-4 DIN18560 part 7 Design A2 heated thin hard conductive screed systems. The system is designed for new build and refurbishment of public buildings, schools, hospitals, offices etc. The system creates the maximum optimum response and recovery of the internal ambient air temperature required by the end user's heating and cooling demands.

Alpha Forde I System

Pex-a 20 @ 200mm centres BS EN 1264-4 DIN18560 part 7 Design A3 mid section heated C35 concrete 10 systems. The system is designed for heavy industrial application: Factories, manufacturing facilities, warehouse, Supermarkets etc. The system creates a steady state low heating base load including 30-35% cooling if required when used with an air source heat pump.

Alpha Forde F System

Where underfloor heating might be problematic due to construction constraints or finances, we offer in conjunction with our air source heat pump system high or low level fan coils. These units are ideal for when heating and cooling demand is paramount. Our fan coils come in a performance range of 1.6KW to 10KW - so they can be easily suited to the type and use of a building.

Benefits of using underfloor heating:

- More energy efficient thus reducing utility bills - Up to 30% less to operate an underfloor heating system as opposed to traditional radiators
- When used in conjunction with air source heat pumps even greater reduction in savings
- Even distribution of heating unlike radiators, which produce only convection heating
- Cleaner environment, Dust free due to lowered air movement.
- Virtually maintenance free
- Very easy to control
- Suitable for all floor coverings such as tile, carpet, wood and vinyls

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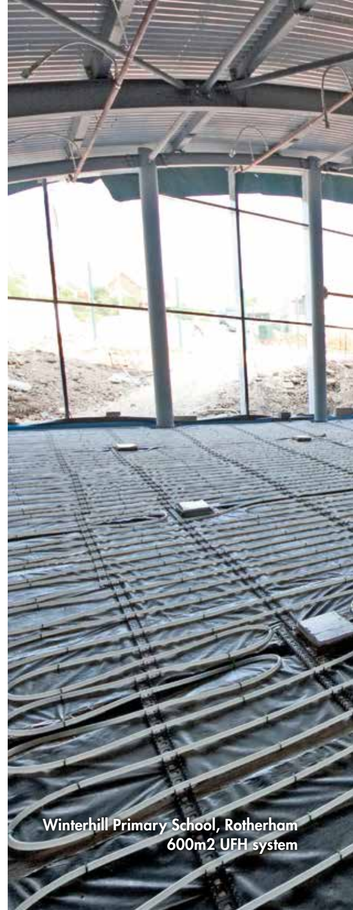


Winterhill Primary School, Rotherham
600m2 UFH system

Air Source Heat Pump

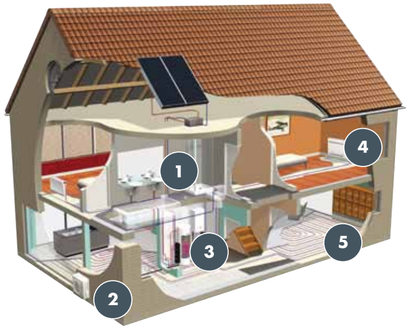
What is an Air Source Heat Pump

An Air Source Heat Pump (ASHP) uses refrigerant gases and a compressor to take heat from the air around us to provide heating/cooling and hot water. Typically for every 1KW of electricity used the Air Source Heat Pump will produce 3KW in return! This is referred to as the CoP rating (Coefficient of Performance). What this means is that for every 1 unit of energy used it produces 3 units of energy. So in summary it is 300% efficient. As the end users will no longer require gas, immediately they will save 100% per annum on the gas bill. Typical electricity consumption will fall by around 5%. Our Air Source Heat Pump systems work with all types of heating emitters, such as radiators or fan coils, but ultimately work best in conjunction with under floor heating. This is because the low but constant demand is ideally suited to how the Air Source Heat Pump system operates.

Why Choose Forde?

Forde have the knowledge and experience when it matters. We have installed numerous ASHP systems on all types of developments. On every enquiry we receive we produce a 'simulator' report on the development or scheme and determine how efficiently our Air Source Heat Pump will work. We are approved installers of the Daikin 'Altherma' Air Source Heat Pump; arguably the best heat pump in the market. Daikin and Forde work closely together over the latest designs and 'Simulator' reports.

Forde have also acquired our MCS accreditation; this means we are now in a position to offer funding. For more information on MCS grant funding opportunities please contact us for more detailed information.



1 Hot Water 2 Outdoor Compressor 3 Indoor Hydro Unit and Cylinder 4 Radiator/Fan Coil 5 Underfloor Heating

Benefits of an Air Source Heat Pump:

- Greater reduction of utility bills
- Green technology, easier to access grant funding
- Greatly increased carbon savings
- Almost silent running - dB rating no larger than 48dB (Example: Small office desktop fan - 52dB)
- Works in temperatures from -15°c to 35°c
- Can be installed internally or externally in a property, ideal for social housing where vandalism may be problematic.

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Richmond Park Golf Club, London
80kW Heat Pump System

Solar P.V

What is Solar Photovoltaics (PV)?

Solar PV is the conversion of the sun's energy to produce electricity.

This power is free as it occurs naturally, thus having no cost or impact on the environment. The power generated can either be sold back to the grid or consumed by the property. The panels used are usually of two layers of semi-conducting materials, typically silicon. When light shines on the cell it creates an electric field across the layers, causing electricity to flow. The greater the light intensity, the greater the flow of electricity. Forde are Fully accredited MCS installers of Solar PV systems

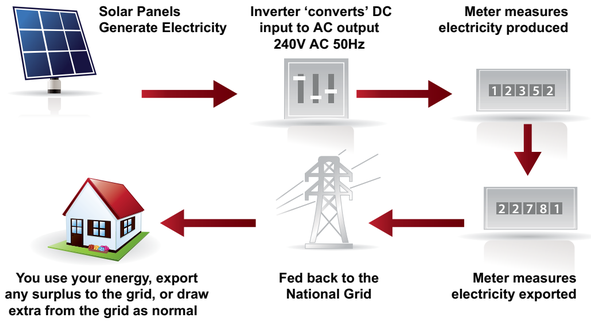
There are three kinds of solar cells:

- Monocrystalline - Has a typical efficiency of around 15%
- Polycrystalline - Has a typical efficiency of at least 13%
- Thin Film – Efficiency of around 7%

The cost of the units is most often than not higher the more efficient the cells are.

Benefits of using Solar PV:

- Works in all type of light, even cloudy grey skies
- More advanced panels that are more aesthetically pleasing
- Integration to new and existing building very easy due to slimline design
- Can be either roof mounted, free standing or integrated into the roof/facades of a building
- Completely silent in operation



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Crown Garden Centre, Near Askern
40kW Solar PV installation

Flooring

Levelling Compounds, DPM's & Resin Coated Systems

Floor Screed

Wooden Floors

Forde install all types of primers, DPM's, levelling compounds and resin coated systems. Having the correct flooring system in place over screeds is critical to the performance of the final flooring. Forde have years of experience installing epoxy resin coated systems including primers and DPM's.

Forde work with the leading manufacturers such as Tremco Illbruck to offer a complete floor finishes solution. Typical Tremco products used are:

- ES300 – DPM
- CS100 – Epoxy Primer
- CS150 – Acrylic Primer
- CS175 – Epoxy Primer For Porous Substrates
- SX100 – Smoothing Compound
- SX200 – Self Levelling Compound
- SX500 – Rapid Set Smoothing Compound
- CS375 – Industrial Wearing Screed
- CS933 – Surefoot Anti-Slip Coloured Epoxy Coating System

Forde Specialise in the installation of calcium sulphate flowing screeds and traditional sand and cement screeds. Although Forde install both types of screeds, we prefer Flowing screeds as we believe the advantages of these screeds over traditional sand and cement screeds are significant. Flowing screeds are a modern fast track construction method than pools together many benefits over the traditional.

The main benefits are:

- Class SR1 (BS8204-1-1999) surface regularity can be achieved if specified
- Soundness category 'A' according to BS8204: Part 1 BRE Screed Test
- Ideal for use with Under Floor Heating as the flowing screed fully encapsulates the pipes
- Self compacting - Very dense and uniform throughout the floor
- Installation speeds of up to 1000M2 per day
- Minimal requirement for joints and can be laid much thinner
- Access for following trades within 48 hours
- Guaranteed strengths of 30 N/mm2
- Warranty available from the manufacturer

We supply and install engineered board and solid wooden floors. We supply and install in the following applications:

- Schools/Libraries
- Residential
- Hotels/Restaurants
- Hospitals/Medical Centres
- Sports Halls/Auditoriums
- Day care Centres/Nurseries
- Nursing Homes

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Testimonials

Project: Hemmingfield Road
Location: Wombwell

Following the recent building of our new 8000 Sq Ft property in Wombwell Barnsley, I am more than pleased to provide positive feed back to any potential future clients

With regards to the quality of workmanship, standard of products used, including self levelling screeds used on ground and first floors above pre-cast hollow core slabs, incorporating the latest underfloor heating technology and traditional sand cement screeds in our swimming pool hall and basement / wet rooms.

Appreciation of program and interaction with other trades always focal during the works as well as a friendly attitude. Minor adjustments to the system post completion attended to as and when required, so 10 out of 10 on the after care front.

Best Regards
Mr and Mrs Allert

Project: Willow Farm
Location: Epworth, Doncaster

We know how much testimonials help people make the right decision when choosing to use our company so we thought we would just take a little time to try and express our gratitude for all you did. The underfloor pipework and system design, the screeding and the wooden flooring were all done to an exceptionally high standard, we are so pleased that we found you and took the gamble. From the offset you were professional in everything you said and did which helped us make the choice we did, you then helped guide us through the minefield of choices for the wooden flooring and we have now got just the floor we always imagined but couldn't find.

Our neighbour was a little upset that we didn't choose the supplier and installers that he used but was even more upset by the quality of the product and installation at less than he paid. All the way through the project you kept us informed and up to date with any changes to delivery schedules etc. which is all you can ask. We would not hesitate to recommend you to everyone! Feel free to pass on my phone number if anyone wants to speak to me I will be happy to answer any questions honestly. I know you do a lot of large projects and ours was small by comparison but we feel we could not have had better service so "thank you".

Mr Brian Askham

Project: Brunswick Church
Location: Mexborough

From the moment we discovered Forde on the internet we were impressed with the portfolio of services they offered. We sent an email asking to discuss underfloor heating for our church conversion project.

Our first meeting went very well. We explained our needs and choices for the church conversion the gentleman understood my vision and plan for the church he explained how his product would work in our building; he parted with so much information and enthusiasm it was a breath of fresh air. We received a full quote detailing everything that would be done and lots of technical data, and we were impressed as most of the other quotes we had did not contain such content.

The price was very good for the detailed service but more than the good value for money. We had confidence in the chaps from Forde, they have years of experience of commercial and domestic underfloor heating. The underfloor heating fitting process is very interesting and we were fascinated watching the guys work. Each stage was explained, the fitters were friendly, polite, helpful and courteous. Everyday a member of the management team would visit check everything and explain to us what was happening the following day. We are so pleased with the end result and so pleased that we chose Forde to do the work, We would whole heartedly recommend Forde.

Dr and Mrs Wilden

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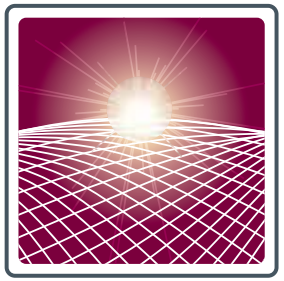


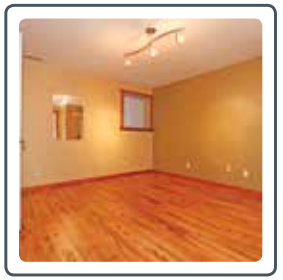

FORDE

Low Energy Environmental Technologies

committed to CSCS

CHAS Accredited Contractor

constructionline

MCS

REAL

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