

E.TUPLING

THE LEADING DISTRIBUTOR TO INDEPENDENT MERCHANTS

UNDERFLOOR HEATING & RENEWABLES BROCHURE 2024/25

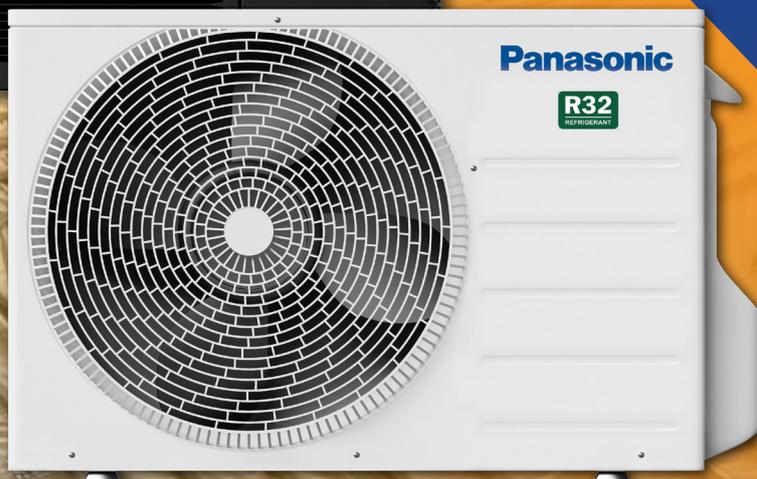
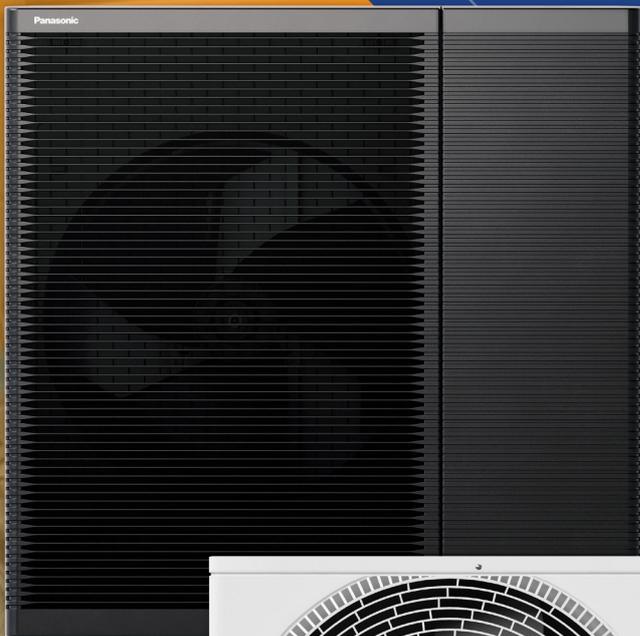
UNDERFLOOR HEATING

**FLOOR PREPARATION
& PERFORMANCE**

LVT FLOORING

**AIR & GROUND
SOURCE HEAT PUMPS**

**MECHANICAL
VENTILATION
HEAT RECOVERY**



www.etupling.co.uk

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ABOUT E. TUPLING

E. Tupling is an independently owned family business, established in 1966. We are a leading manufacturers distributor of building & plumbing plastics, underfloor heating (UFH), air source heat pumps (ASHP), ground source heat pumps (GSHP), mechanical ventilation heat recovery systems (MVHR), pre-insulated pipe, engineered wood and LVT Flooring. We are a modern and forward-thinking company, yet our traditional values and customer centric philosophy remains at the heart of everything we do.

Our skilled team possess a wealth of experience and expert knowledge. We have consistently delivered and evolved our offering in UFH, Plumbing and now Renewables.

For over 50 years we have proudly served independent merchants across the UK.



E. Tupling quite simply put, go the extra mile every time for their customers! Their service is personalised, straightforward, knowledgeable, and unparalleled. We purchase a vast range of stock from them, including Underfloor Heating Systems. Stock availability and choice is exceptional, they are highly competitive on price. They remove extra pressures from their customers by always going above and beyond to assist and help with any queries or issues we may have. They are a pleasure to trade with, every time.

- Hafeze Samad, Director, Leigh Plumbing Merchants

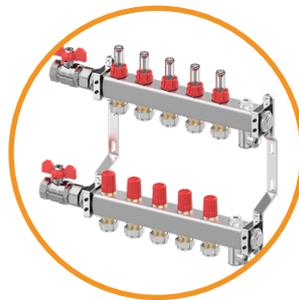


WHY E. TUPLING FOR RENEWABLES & UNDERFLOOR HEATING

The heating sector is evolving and E. Tupling are ready to support independent plumbers merchants and builders merchants as your Renewable, Ventilation and Underfloor Heating SOLUTIONS provider! **We are delighted to launch our very own IN-HOUSE Underfloor Heating (UFH) System comprising of a number of renowned, market leading original equipment manufacturers including Danfoss, Heatmiser and Frankische to name just a few.**



Our UFH system represents the highest quality brands at the most competitive prices. Together with a best-in-class design package, our system solution will be the only independent trade counter UFH brand sold exclusively via distribution. Our focus is to drive quality into an unregulated market and support our merchant partners with consultancy, design and expertise alongside the true distribution absolutes of stock, price and availability. We offer full closed loop UFH systems from preparation of the subfloor through to the installation of UFH systems.



The perfect Flooring Preparation from MUREXIN

The leading Underfloor Heating System from E. TUPLING

A superior Luxury Vinyl Tile (LVT) Floor from KAHRs

= OPTIMUM PERFORMANCE!

We are available to provide full technical support and guidance, schedule of materials, itemised quotation, heat loss calculations and pipe-layout design as standard. Furthermore, our experts are always on hand to speak to your customers / installers and to answer any questions they may have. We can deliver to branch or direct to site, always within 2 working days from order, making the sale for our merchant partners a mere invoicing exercise. Drop ship and same-day collection services are also available. It will always be our choice, service, speed, technical knowledge and versatility that separates us from other suppliers!

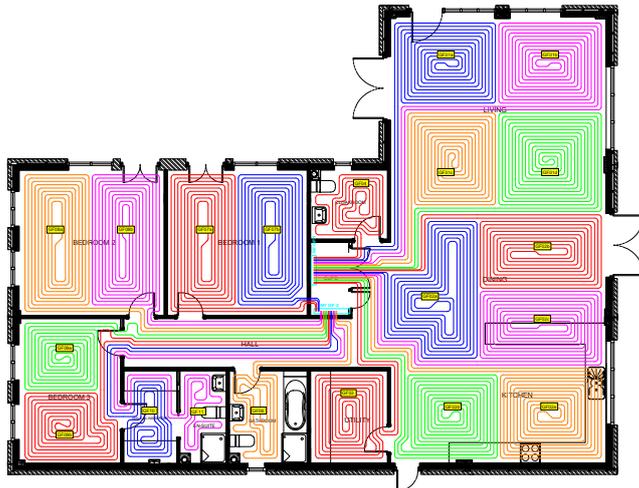
Together with a best-in-class design package this UFH solution is exclusively sold by E. Tupling and ONLY available to independent trade counters. Our focus is to protect our customers against loss of business to e-commerce and low cost unfit for purpose systems by always offering consultation, design and unbeatable value.

As part of our offering, we will supply a full bespoke UFH design which carries all of the technical information needed such as the maximum pressure loss, flow quantity, water content and heating output. Each project we work on is treated separately and our goal is to ensure we give you a system that is able to heat the space with as low a flow temperature as possible maximising the system efficiency.

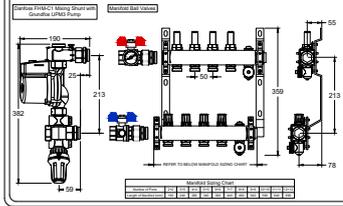
We only use reputable suppliers for our products and can offer a full UFH System that includes all manifolds, pumps, pipe, clips, room thermostats & wiring boxes. We can also offer all the floor preparation products such as smoothing compounds, primers, tile adhesives & decoupling layers. To finish the job we also supply LVT flooring should that be required.

Whilst many suppliers offer similar, off the shelf systems, we have assembled a system of products which rely on its guaranteed compatibility within the product installation. All products have been tested thoroughly to ensure the components complement each other perfectly. For our retrofit systems we know the primer works with the adhesive, the adhesive works with the XPS boards, the smoothing compounds work with the boards, and so on. As a result we can count on the products giving the end user a trouble free floor & UFH system!

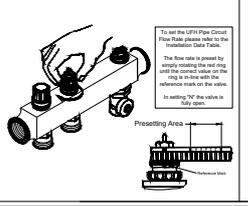
Our manifolds use cutting-edge technology and are manufactured by Danfoss, one of the leading names worldwide. They have an inbuilt pre-setting function which uses hydronic balancing to ensure the correct amount of water will be distributed to the right rooms. This can help improve overall system efficiency by up to 20% by balancing the temperature across the floor and reducing the risk of overserving or underserving the UFH pipe circuit.



Indicative Manifold with Mixing Shunt Pump & Manifold Ball Valves



Hydraulic Balance Pre-Setting



To set the UFH Flow Circuit Flow rates refer to the Installation Data Table.

The flow rate is set by simply rotating the red ring until the correct value on the ring is in line with the reference mark on the valve.

In setting 'N' the valve is fully open.

Manifold Summary							System Summary									
Manifold No.	Total No. of Heating Circuits	Heating Area (m ²)	Flow Quantity (kg/h)	Pressure Loss (Pa)	Total Pipe Length (m)	Flow Temp (°C)	Return Temp (°C)	Flow Temperature (°C)	Mean Return Temperature (°C)	Total Heat Load (kW)	Total Output of UFH (kW)	Total Flow Quantity (kg/h)	Maximum Pressure Loss (Pa)	Total Water Content (l)	Total Floor Area Covered by UFH (m ²)	Total Floor Area (m ²)
GF-1	11	101.2	1028.2	6460	879.6	38.0	33.0	38.0	33.0	8361	8223	1718.9	6450	229	163.5	167.7
GF-2	11	61.9	690.5	6230	610.6	38.0	33.0									

Manifold No.	Circuit No.	Room Name	Design Room Temp (°C)	Total Room Area (m ²)	Heating Area (m ²)	Flow Quantity (kg/h)	Pressure Loss (Pa)	Circuit Length (m)	Hydraulic Resistance (Pa/m)	Floor Temp (°C)	Return Temp (°C)	Total Pressure Loss (Pa)	Required Pipe Diameter (mm)	Effective Pipe Length (m)	Total Circuit Output (kW)	Heating Output (kW)	Thermostat Type	Additional Notes
GF-1	1	LIVING	21	88.3	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	2	LIVING	21	13.3	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	3	LIVING	21	13.3	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	4	LIVING	21	13.3	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	5	LIVING	21	13.3	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	6	LIVING	21	13.3	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	7	LIVING	21	13.3	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	8	LIVING	21	13.3	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	9	LIVING	21	13.3	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	10	LIVING	21	13.3	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
GF-2	1	KITCHEN	21	22.4	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	2	KITCHEN	21	22.4	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	3	KITCHEN	21	22.4	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	4	KITCHEN	21	22.4	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	5	KITCHEN	21	22.4	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	6	KITCHEN	21	22.4	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	7	KITCHEN	21	22.4	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	8	KITCHEN	21	22.4	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	9	KITCHEN	21	22.4	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None
	10	KITCHEN	21	22.4	13.3	100	37.2	7.5	38.0	5.0	33.0	4.400	50	50	400	400	Heating/Hot	None

E. TUPLING
UNDERFLOOR HEATING AND RENEWABLE SOLUTIONS

System Information

Notes

This drawing is confidential and the copyright property of E.TUPLING. It should not be copied, reprinted or used without written permission.

This drawing is intended as a visual guide only and does not constitute a contract. Should any alterations occur during installation E.TUPLING should be notified and drawings should be amended accordingly. For safety and performance reasons all drawings should be checked and approved by the manufacturer before use.

All designs have been calculated in accordance with BS 5266:4.

Manifold

It is essential that the manifold can be accessed. E.TUPLING recommend that the manifold is located a minimum of 300mm above finished floor height and 50mm clearance to other side of manifold and an access door to the manifold should be provided. A minimum of 20mm clearance should be allowed to the system supply pipes.

Pressure Testing

It is recommended that the pressure tested to 2 bar for a minimum of 10 hours before the system is covered. The system should retain water pressure during filling.

Floor Coverings

General Information

Cable should be taken when choosing Carpet & Underlay as the TOG value needs to be suitable for the specific installation. For safety and performance reasons all coverings should be checked and approved by the manufacturer before use. The maximum TOG value of carpet should be approximately 1.0 to 2.0.

Non-Combustible

It is important that the design of the supporting floor structure is visible and rigid to prevent cracking. It is recommended that flexible adhesives and grout be used.

Water

Water should be sensitive to long term exposure to heat and limited to a constant temperature of 20°C. To ensure the floor temperature does not exceed 20°C it is recommended that floor profile be embedded in the floor structure. For expansion, adhesive pressure refer to manufacturer's instructions.

Warning

If a finish underlay layer is to be used underneath the laminate flooring, it is recommended that the product used is non-thermal and non-combustible. The manufacturer that occurs must be accompanied by an expansion gap around the floor slab.

Underlay

Cable should be taken when choosing Carpet & Underlay as the TOG value needs to be suitable for the specific installation. For safety and performance reasons all coverings should be checked and approved by the manufacturer before use. The maximum TOG value of carpet should be approximately 1.0 to 2.0.

When using a solid floor system it is essential to ensure that the correct or otherwise floor construction does not give rise to the longer floor covering being laid in a non-allowable to run the underfloor heating system for at least two weeks before the floor is laid. With other floor products it is advised that the heating be allowed to run continuously for a minimum of 24 hours before the floor covering is installed using a timber floor covering in a suspended floor construction it is vital that the correct product is used to ensure a structural floor application. This product can be laid directly on top of the joist. If this is not the case then an additional layer of fibre-reinforced gypsum board should be used to ensure the floor structure is suitable for application. It is important to ensure that the floor surface temperature does not exceed 20°C. It is recommended that the floor structure is visible and rigid to prevent cracking. It is recommended that flexible adhesives and grout be used to confirm the suitability of the product.

E. Tupling are a multi award-winning Team:



UNDERFLOOR HEATING

Wavin PE-RT Pipe

Wavin PE-RT pipe is a 5 layer barrier pipe, which has an EVOH oxygen barrier layer which complies with ISO17455. Available in 12 and 16mm options.

Product code	Description
WVPERT12016	Wavin PERT/EVOH/PERT Pro5 16x2mm Pipe 120m
WVPERT24016	Wavin PERT/EVOH/PERT Pro5 16x2mm Pipe 240m
WVPERT48016	Wavin PERT/EVOH/PERT Pro5 16x2mm Pipe 480m
WVPERT60016	Wavin PERT/EVOH/PERT Pro5 16x2mm Pipe 600m
WVPERT10012	Wavin PERT/EVOH/PERT Pro5 12x1.4mm Pipe 100m
WVPERT20012	Wavin PERT/EVOH/PERT Pro5 12x1.4mm Pipe 200m
WVPERT60012	Wavin PERT/EVOH/PERT Pro5 12x1.4mm Pipe 600m

wavin



Multi-Layer Composite PE-RT / Aluminium / PE-RT Barrier Pipe

High quality MLC Pipe, 16mm premium PE-RT / AL / PE-RT pipe, suitable for underfloor heating. This easy-to-use pipe holds its shape when bent and is marked every metre for simple installation. It has an aluminium core, this thin layer of overlap welded aluminium protects against corrosion and creates a 100% oxygen barrier. Continuous upper temperature resistance of 70 degrees celsius.

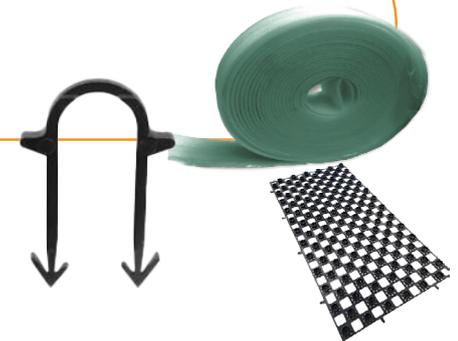
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Product code	Description
FRUFH10016	Frankische 16 x 2mm profitherm MLC Pipe 100m Coil
FRUFH20016	Frankische 16 x 2mm profitherm MLC Pipe 200m Coil
FRUFH40016	Frankische 16 x 2mm profitherm MLC Pipe 400m Coil
FRUFH60016	Frankische 16 x 2mm profitherm MLC Pipe 600m Coil



Solid Floor Fixing Accessories

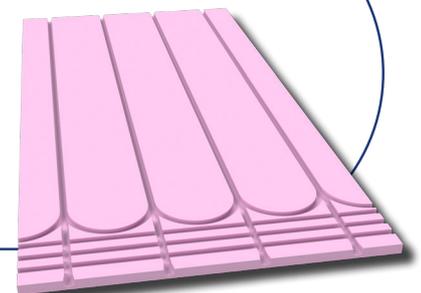
Product code	Description
ETSTP60	60mm Staples (Box of 300)
ETSTP40	40mm Staples (Box of 300)
ETSTPLR	Staple Gun
ETEF25M	Edge Foam 150mm x 25m Roll
ETCR10	Self Adhesive Fixing Clip Rail (Box of 10)
PROFIXPLUS	Profix Plus Castellated Panel 20 x 600 x 1200mm
FR79919123	Frankische 19mm Split Conduit 25m
ETLPCRATE	Low Profile Castellated Panel



High Density Lightweight XPS Extruded Rounded Insulation Panel

High density lightweight XPS extruded rounded insulation panel. High output & low profile. Dimensions: 1200mm x 600mm, 0.72sqm coverage per floor panel. Radius bend integral, no end return required, allows greater surface area for heat conductivity. 18mm panel for 12mm pipe at 150mm centres. Suitable for new build and retro-fit, compressive strength at 10% deflection - 300k Pa. Thermal conductivity - 0.033w/mK. 100% recyclable, raw material manufactured in accordance with BSEN13164, fire class according to EN13501-01.

Product code	Description
XPS18	High Density Lightweight XPS Extruded Insulation 18mm UFH Floor Panel

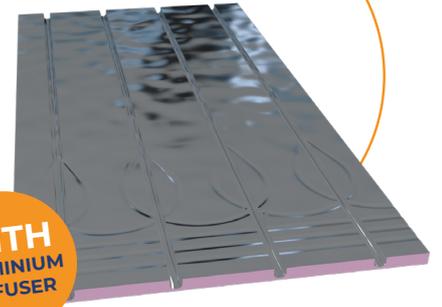


High Density Lightweight XPS Extruded Rounded Insulation Panel

High density lightweight XPS extruded rounded insulation panel with aluminium diffuser. High output & low profile. Dimensions: 1200mm x 600mm, 0.72sqm coverage per floor panel. Radius bend integral, no end return required, allows greater surface area for heat conductivity. 20mm panel for 16mm pipe at 150mm centres. 100 micron soft tempered aluminium to panel and pipe channel. Suitable for new build and retro-fit, compressive strength at 10% deflection - 300k Pa. Thermal conductivity - 0.033w/mK. 100% recyclable, raw material manufactured in accordance with BSEN13164, fire class according to EN13501-01.

Product code	Description
XPSALU20	High Density Lightweight XPS Extruded Insulation 20mm UFH Floor Panel with Aluminium Diffuser

WITH
ALUMINIUM
DIFFUSER



Low Profile 18mm Gypsum Fibre Board

Low profile high-density gypsum fibre board manufactured from Fermacell® with a heat output of over 100W/m2. Designed with built-in end returns and pipe spacing of 150mm for 12mm pipe. Allows underfloor heating to be installed into existing rooms quickly which can be laid over solid or timber floors. To be installed with ETMSP1K adhesive.

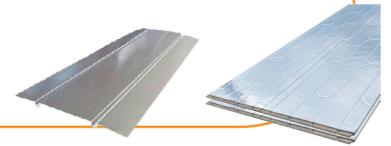
Product code	Description
OLGYP18	Gypsum Overlay panel with End Returns 18 x 600 x 800mm
ETMSP1K	310ml Tube Rapid Set Adhesive

BUY WITH
RAPID SET
ADHESIVE



Retrofit Fixing Panels

Product code	Description
ETSP200	Aluminium Spreader Plate 2 Groove (200mm Centres)
ETSP133	Aluminium Spreader Plate 3 Groove (133mm Centres)
ETCHIPFOIL	Foiled Grooved Chipboard 22 x 600 x 2400mm



HIGH DENSITY LIGHTWEIGHT XPS EXTRUDED ROUNDED PANELS

HIGH DENSITY LIGHTWEIGHT XPS EXTRUDED ROUNDED PANELS

- SUITABLE FOR NEW BUILD & RETRO-FIT
- HIGH QUALITY & EFFECTIVE
- INCREASED HEAT OUTPUT
- LOW PROFILE

HIGH DENSITY | COST EFFECTIVE | LIGHTWEIGHT | EASY TO INSTALL

FLOOR PREPARATION & PERFORMANCE

Unitop Decoupling Panel

Stress reducing underlay. Displaces load across floor area, reduces impact noise. Durable decoupling mat, offers protection to the XPS system beneath. Safer on problematic substrates, very low emission - EC1-PLUS. Suitable for most floor coverings. Scan the QR code to see the product installation video or data sheet.

Product code	Description
MXUNITOP4MM	MulitiTop 4mm Decoupling Panel 4 x 600 x 1200mm



Installation Video



Technical Sheet



Thermo-Top Boards

Thermo-Top delivers rapid, even, heat distribution due to a fleece lined aluminium panel. Ideal for lower water temperature renewable heat sources, element of thermal mass spreads heat laterally. Stress relieving, decoupling system, safer on problematic surfaces, easy to install. Suitable for most floor coverings.

THERE IS NO
MARKET RIVAL
IN THE UK!

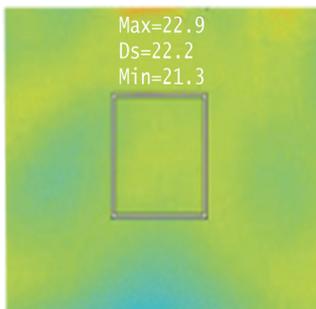
Product code	Description
MXTHERMOTOP2MM	ThermoTop 2mm Heat Transfer Panel 2 x 600 x 1200mm



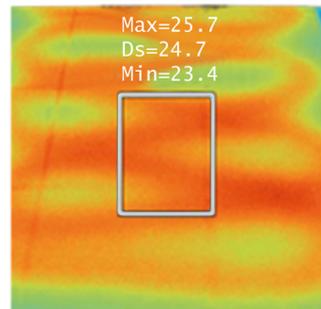
Installation Video



Technical Sheet



Changes in surface temperature
WITHOUT Thermo-Top



Changes in surface temperature
WITH Thermo-Top

Primer

Available in 10kg tubs. Rapid drying. Ready to use, adhesion enhancing, solvent free. Effective for priming floors prior to UFH system installation. After observing the drying times a slightly tacky surface is achieved, which is ready for laying immediately. Multi-purpose, virtually all substrates.

Product code	Description
MXDX9	10kg Floor Primer Tub



Installation Video



Technical Sheet



MS Adhesive



Single component MS adhesive, solvent free, long working time. Multi purpose adhesive that is used to bond XPS, Thermo-Top, Unitop and wooden floors. Scan the QR code to see the product installation video or data sheet.



Installation Video



Technical Sheet

Product code	Description
MXMSK509	16kg Tub

THERE IS NO MARKET RIVAL IN THE UK!

High Performance UFH Smoothing Compound



RESULTS IN ENERGY SAVINGS OF UP TO 12%!

Heat retaining specialist smoothing compound, energy savings of up to 12% are possible, high yield (up to 27% more). Specifically designed for UFH systems as it dissipates heat across its surface and enhances heat transfer. Especially suitable for air & ground source heating systems. There is no market rival.



Installation Video



Technical Sheet

Product code	Description
MXM61	13kg Smoothing Compound

Fibre Reinforced Smoothing Compound



Excellent flow smoothing compound. Ideally suited to pre smooth uneven substrates. NOTE: It is recommended that the floorcovering is applied within 48 hours to avoid surface crazing and contamination of the floor. Any longer than 48 hours, the surface should be covered until the floorcovering is laid.



Installation Video



Technical Sheet

Product code	Description
MXST215	25kg Fibre Reinforced Smoothing Compound

Deep Fill Smoothing Compound



Low tension smoothing compound which provides a cost-effective solution for your UFH projects. The highly plasticised compound can be applied to a depth of 35mm. NOTE: It is recommended that the floorcovering is applied within 48 hours to avoid surface crazing and contamination of the floor. Any longer than 48 hours, the surface should be covered until the floorcovering is laid.



Installation Video



Technical Sheet

Product code	Description
MXST25	25kg Smoothing Compound

Flexible Tile Adhesive



Suitable for tiled floor finishes, can be used with Polypipe Overlay / Overlay Plus / off the shelf XPS18 and XPSALU20 (only if Multitop incorporated into build up). Long working time, high stability. Flexible for professional users, long pot life, high yield (25kg).



Installation Video



Technical Sheet

Product code	Description
MXKPF31	25kg Flexible Tile Adhesive

UNDERFLOOR PREPARATION EXPLAINED

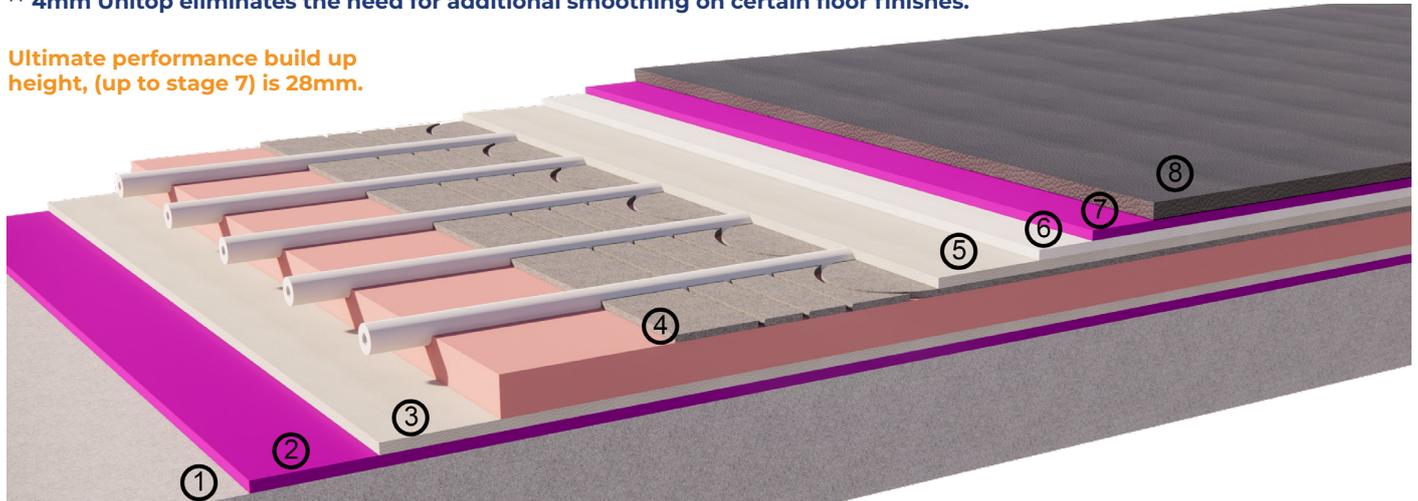
The Ultimate Performance

The 'Ultimate' Performance specification, delivers the highest possible output for optimum heat transfer. This system incorporates a 4mm Unitop panel, which has the benefit of being a de-coupling/de-stressing layer. The Unitop panel also has the added benefit of improving acoustic properties by 13-19 dB depending on the floor coverings. Once stages 1-8 have been completed, you have the option of a multitude of floor finishes. Including, LVT/Laminate/Click flooring/Carpet* (If bonded engineered wood or ceramics are being installed, eliminate stage 8 and bond directly to the Unitop).

***Always confirm compatibility with the floor covering manufacturer.**

**** 4mm Unitop eliminates the need for additional smoothing on certain floor finishes.**

Ultimate performance build up height, (up to stage 7) is 28mm.



1 Subfloor

2 Primer MX DX9

3 MS Adhesive MX MS-K 509

4 Panel Choice MX XPS ALU20

5 Ms Adhesive MX MSK509

6 Unitop 4mm Decoupling

7 Primer MX DX9

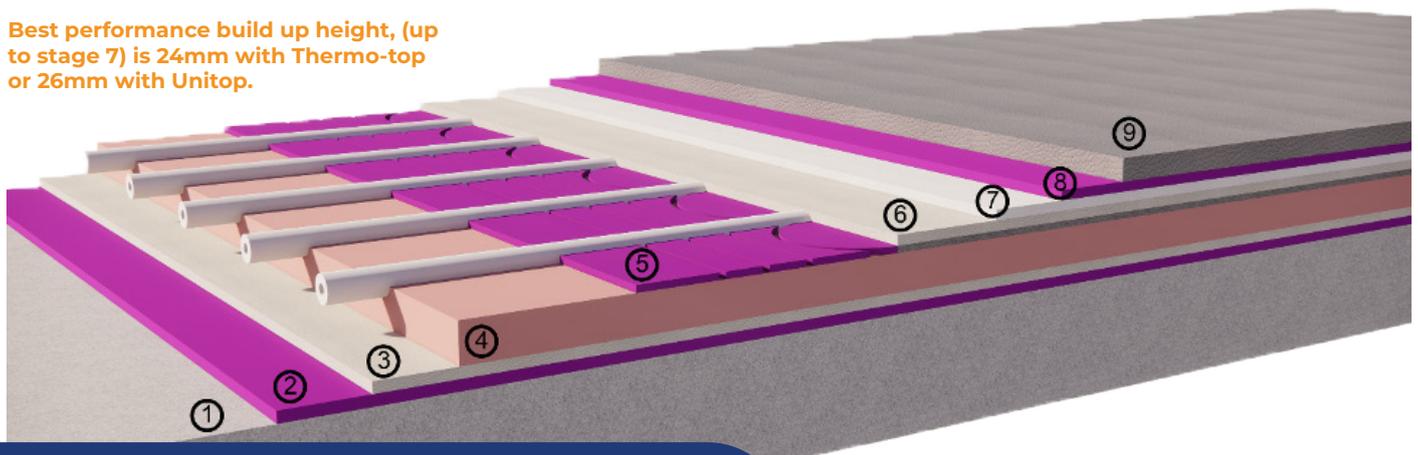
8 Tile Adhesive / Smoothing Compound MX KPF 31 / MX M61

The Best Performance

The 'Best' performance specification delivers a system with an enhanced heat transfer solution. The system incorporates a Thermo-top panel, which has the benefit of being a de-coupling/de-stressing layer and also delivers rapid heat distribution. Once stages 1-8 have been completed, you have the option of a multitude of floor finishes. Including, LVT/Laminate/Ceramics/Click flooring/Carpet* (If bonded engineered wood is being installed, eliminate stage 8 and bond directly to the Thermo-top or Unitop).

***Always confirm compatibility with the floor covering manufacturer.**

Best performance build up height, (up to stage 7) is 24mm with Thermo-top or 26mm with Unitop.



1 Subfloor

2 Primer MX DX9

3 MS Adhesive MX MS-K 509

4 Panel Choice MX XPS18

5 Primer MX DX9

6 MS Adhesive MX MS-K 509

7 Thermo-top 2mm or Unitop 4mm

8 Primer MX DX9

9 Tile Adhesive / Smoothing Compound MX KPF31 / MX ST25

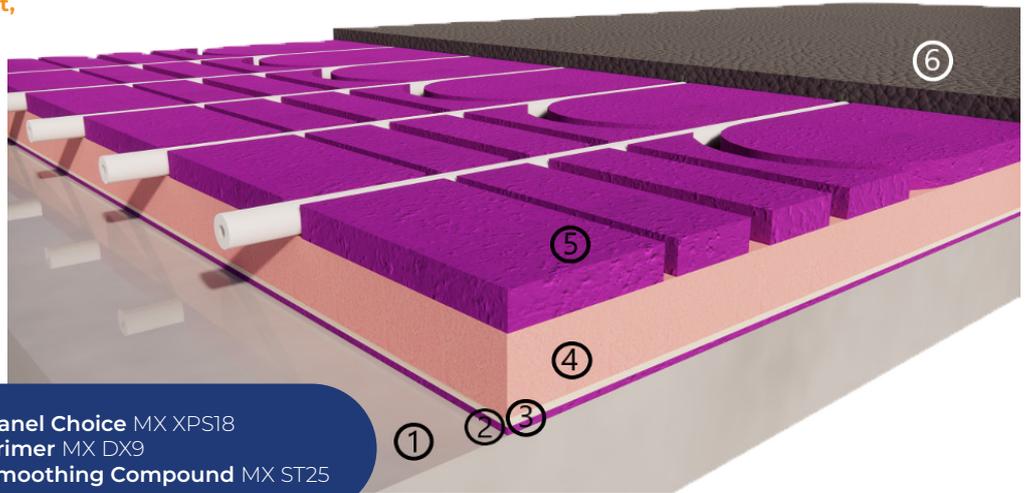
Whilst lots of competitors offer similar, off the shelf systems. At E. Tupling we wanted to bring in a system of products, which relies on its guaranteed compatibility within the product installation. We have tested all the products in this range to ensure the system works perfectly. We know the primer works with the adhesive, the adhesive works with the XPS boards, the smoothing compounds work with the boards, and so on. This way, we can count on the products giving the end user a trouble free UFH System!

Good Performance

The 'Good' performance specification delivers a system, which is the most cost effective but still delivers on performance. The low profile system incorporates a smoothing compound directly on to our primed XPS18 Panel. This Cost effective system is then ready to install LVT/Laminate/Ceramics/Click flooring/Carpet*.

***Always confirm compatibility with the floor covering manufacturer.**

**Good performance build up height,
(including stage 6) is 30.5mm.**



1 Subfloor
2 Primer MX DX9
3 MS Adhesive MX MS-K 509

4 Panel Choice MX XPS18
5 Primer MX DX9
6 Smoothing Compound MX ST25

DO'S & DON'TS

The do's and don'ts of the whole installation process.

There are basic principles in all installations, that need to be followed. This will ensure your new UFH installation runs as smooth as possible.

Subfloor preparation – This is one of the most critical points of any installation. If your sub floor is not correctly prepared, be prepared for it to fail. If you install a system of products that cost a large amount of money, We'd hope people would want longevity. The manufacturer recommends preparation guidelines as follows:

Mechanical Preparation – Prepare the sub-floor using the appropriate mechanised equipment to remove any contaminants and barriers to adhesion. Ensure you are left with clean, sound hard base that will provide sufficient restraint for subsequently applied products. After mechanical preparation, remove all traces of dust and debris using an industrial vacuum cleaner.

Priming – The benefit of priming your floors, is that it improves the overall adhesion. The primer penetrates the substrate, helping to increase the bond between the two surfaces. If people eliminate essential steps in the application process, this can lead to failures.

Tooling – What is the importance of using the right tooling for the job? Each tool is precisely designed for a specific purpose, so choosing the correct tool will also decrease the amount of effort required to get a job done right. It will save you money and prevent failures. If you are applying a flooring adhesive with a tiling notched trowel, you will apply far too much adhesive. This will greatly reduce the coverage and increase material costs. Then vice versa, if you use a flooring adhesive notch trowel to apply a tile adhesive, you will not have sufficient coverage and failures will occur.

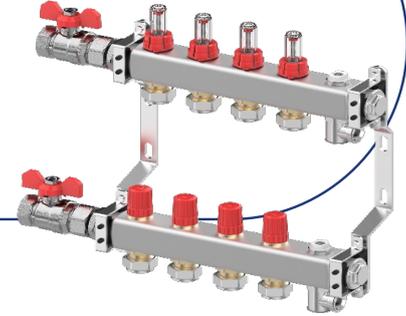
Product Selection – It is critical to understand which products will be used in each stage of the system. Even more important, is that you know how to use the products correctly. Reading the product information/data sheets, will give you definitive guidance on each product.

MANIFOLDS, VALVES, PUMPS & STATS

Manifolds

Includes fill and drain valves, colour coded isolation valves, flow metres and brackets

Product code	Description
DF088U0652	Danfoss 2 Port SSM 2+2 Manifold Set
DF088U0653	Danfoss 3 Port SSM 3+3 Manifold Set
DF088U0654	Danfoss 4 Port SSM 4+4 Manifold Set
DF088U0655	Danfoss 5 Port SSM 5+5 Manifold Set
DF088U0656	Danfoss 6 Port SSM 6+6 Manifold Set
DF088U0657	Danfoss 7 Port SSM 7+7 Manifold Set
DF088U0658	Danfoss 8 Port SSM 8+8 Manifold Set
DF088U0659	Danfoss 9 Port SSM 9+9 Manifold Set
DF088U0660	Danfoss 10 Port SSM 10+10 Manifold Set
DF088U0661	Danfoss 11 Port SSM 11+11 Manifold Set
DF088U0662	Danfoss 12 Port SSM 12+12 Manifold Set



Danfoss

Manifold Connections

Product code	Description
ETEC1214MM	12 x 1.3mm Eurocone connection
ETEC16MM	16 x 2mm Eurocone connection



Pump Sets

Product code	Description
DF088U0094	Danfoss FHM-C1 Mixing Shunt with Grundfos UPM3 Pump
DF088U0851	Danfoss Midi Shunt with Grundfos UPM3 Pump

Danfoss



Actuators & Valves

Product code	Description
DF087N6609	Danfoss HP22 2 Port Zone Valve
DF088H3112	Danfoss Thermal Actuator 230V
DF088H3110	Danfoss Thermal Actuator 24V

Danfoss



BasicPlus² Thermostats and Controls

Product code	Description
DF088U0625	Danfoss BasicPlus ² WT-P Programmable Thermostat
DF088U0610	Danfoss BasicPlus ² FH-CWF Floor sensor 3m

Danfoss



Icon² Thermostats and Controls

Product code	Description
DF088U2128	Danfoss Icon ² Thermostat, On-wall
DF088U2121	Danfoss Icon ² Wireless Thermostat
DF088U2122	Danfoss Icon ² Featured RF Thermostat with IR Sensor
DF088U1042	Danfoss Icon ² Wiring Center 230v 8 Channels
DF088U2102	Danfoss Icon ² Master Controller - 15 Channels
DF088U1110	Danfoss Icon ² Floor Sensor for 24V and 230V

Danfoss



Ally Smart eTRV system and Wifi Gateway

Product code	Description
DF014G2420	Danfoss Ally eTRV
DF014G2400	Danfoss Ally Wifi Gateway

Danfoss



Heatmiser Thermostats and Controls

Product code	Description
HMSLIMLINE	Heatmiser Slimline Digital Thermostat
HMSLIMLINERF	Heatmiser Slimline RF Digital Thermostat
HMNEOSTATWHITE	Heatmiser Neostat White
HMNEOSTATBLACK	Heatmiser Neostat Black
HMNEOAIRWHITE	Heatmiser Neo Air Thermostat White
HMNEOAIRBLACK	Heatmiser Neo Air Thermostat Black
HMNEOAIRSTAND	Heatmiser Neo Air Thermostat Stand
HMNEOSTAT12VWHT	Heatmiser Neostat 12V White
HMNEOHUBGEN2	Heatmiser Neohub 2nd Generation
HMNEOPLUG	Heatmiser Neo Plug
HMRFSSENSOR	Heatmiser Wireless RF Air Temp Sensor
HMRFSWITCHV2	Heatmiser RF Switch Wireless Receiver
HMFPROBE	Heatmiser Floor Probe
HMTHIMBLE	Heatmiser Thimble Sensor
HMUH4WIRINGCENTR	Heatmiser UH4 4 Zone Wiring Centre
HMUH6WIRINGCENTR	Heatmiser UH6 6 Zone Wiring Centre
HMUH8WIRINGCENTR	Heatmiser UH8 8 Zone Wiring Centre
HMUH8RF	Heatmiser UH8 Rf Wireless Wiring Centre
HMUH8NWIRCENTRE	Heatmiser UH8-N 12V Wiring Centre

heatmiser

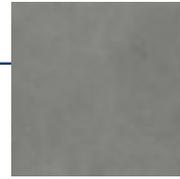


LUXURY VINYL TILE (LVT) & ENGINEERED WOOD FLOORING

ENGINEERED WOOD FLOORING ALSO AVAILABLE ASK OUR TEAM

5mm Click Stone Designs

Product code	Description
LTCLS3007-300-5	Makalu Click Stone 5mm
LTCLS3008-300-5	Schwarzhorn Click Stone 5mm



Makalu



Schwarzhorn

5mm Wood Plank Designs

Product code	Description
LTCLW2111-172	Belluno Wood 5mm
LTCLW2101-172	Redwood Wood 5mm
LTCLW2115-172	Taiga Wood 5mm
LTCLW2004-172	Whinfell Wood 5mm



Belluno



Redwood



Taiga



Whinfell

5mm Click Herringbone Designs

Product code	Description
LTCHW2111L120	Belluno Left
LTCHW2111R120	Belluno Right
LTCHW2101L120	Redwood Left
LTCHW2101R120	Redwood Right
LTCHW2115L120	Taigo Left
LTCHW2115R120	Taigo Right
LTCHW2004L120	Whinfell Left
LTCHW2004R120	Whinfell Right



Belluno



Redwood



Taiga



Whinfell

ORDER EQUAL LEFT & RIGHT!

2.5mm Dry Back Herringbone Designs

Product code	Description
LTDBW2004-102	Whinfell 2.5mm
LTDBW2101-102	Redwood 2.5mm



Whinfell



Redwood



We have dealt with E. Tupling for several years. Their customer service and product knowledge on Underfloor Heating is second to none. Tim and his team's attention to detail is faultless and their attitude is almost of a bygone era, when customer care actually meant something. It's a pity that there aren't more companies out there like E. Tupling – our job would certainly be a lot easier!

- Peter Chadwick, Warwick Plumbing



CASE STUDY

As part of the E. Tupling evolution this project introduced a closed loop solution to the Cheshire renovation and part new build project. Our relationship with the contractor had been formed over a number of UFH projects referred by our merchant partner so our UFH team was approached to find a solution.

The end user was looking to create a stylish, open plan and contemporary kitchen and family living space and were challenged with height restrictions. E. Tupling consulted on an UFH system and floor preparation to design a low profile XPS UFH system and incorporated the thermotop 2mm decoupling panel as a separation layer between the finished XPS UFH panel and the floor finish. Our closed loop option ensured a 42mm total build up including a 10mm porcelain tile. Our team liaised with our merchant partner, the building contractor and the end user to ensure the installation process was managed effectively. Product education on the closed loop range and the emphasis on quality was well received on site and the finished project certainly has the wow factor. The process removed the disconnect between the UFH installation and the floor finish with the highest quality products approved by both the plumbing and flooring contractors.

All of the products were delivered to site from stock. We provided a true end to end solution making it a mere invoicing exercise for our merchant customer.



BEFORE



AFTER

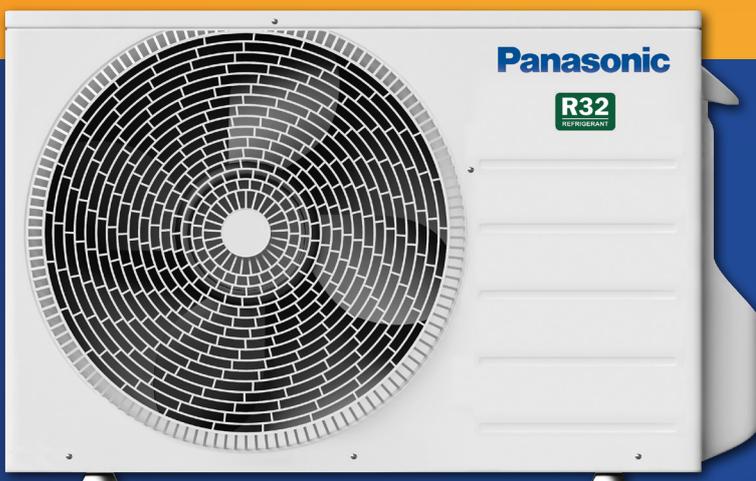
E.TUPLING

THE LEADING DISTRIBUTOR TO INDEPENDENT MERCHANTS

**WE OFFER FULL UFH &
RENEWABLES PRODUCT TRAINING
FOR YOU & YOUR TEAM!**

AIR SOURCE HEAT PUMPS

We offer a vast choice of market-leading heat recovery brands, simply contact us and we will recommend the right unit & cylinder for every project.



WE OFFER

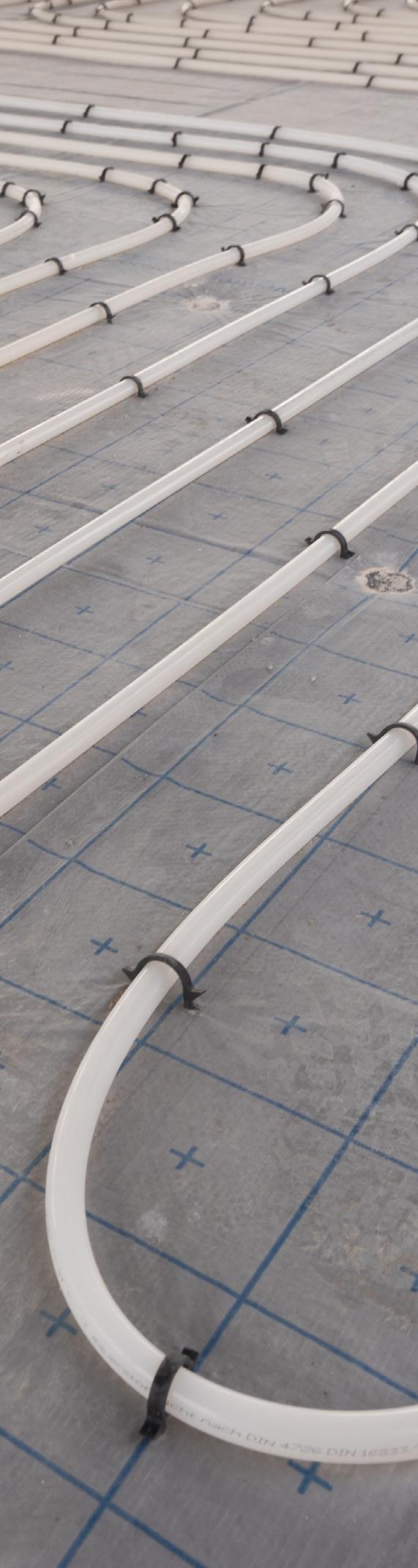
- FULL SPECIFICATION
- TECHNICAL SUPPORT

Other renewable heating solutions are also available:

GROUND SOURCE HEAT PUMPS | AIR TO AIR | SOLAR THERMAL

With more renewable solutions to be added over the year.

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WHEN YOU NEED LEADING BRANDS & CONSULTANCY SUPPORT

We are often described by our merchant partners as a consultant, broker if you like, in the supply of Underfloor Heating, Ventilation and Renewable solutions.

We are wholly impartial, have researched the entire market and benefit from agreements with several of the leading UFH, ventilation and renewable manufacturers in our industry. We have a completely unbiased approach and for all of these reasons we can pinpoint the best UFH System for each and every individual application!

When expertise, consultancy and using well-known leading brands is far more important our team are always on hand to support and guide you. On receipt of the project detail, plans and/or measurements our award winning UFH & renewable technical team carefully consider the project type e.g. renovation or new build, heat source, floor build-up and covering before providing you with system options that are most suitable to each specific job. A full schedule of materials, itemised quotation and pipe layout design are all provided to you as standard.

With our own fleet of specialist vehicles and dedicated driving team we can also deliver direct to site or dropship on your behalf. Furthermore, we are always available to provide full technical guidance and support to your installers and end-users should they ever require any assistance. We will never discuss pricing with your customers but are more than happy to answer product or installation questions they may have, making the UFH sale for you a mere invoicing exercise.





New Aquarea L Generation heat pump

A revolution in design, efficiency, connectivity and sustainability.

Year-round comfort

Aquarea heat pumps provide heating, cooling and hot water for the whole house.

Green future

Aquarea L Generation air to water heat pump is engineered with natural refrigerant R290 with GWP 3.

High performance

Innovative hydraulic split heat pump, with 75 °C water outlet down to -10 °C outside, and operation down to -25 °C.

Harmony at home

Compact design blends into indoor and outdoor spaces. The heat pump's quiet operation brings harmony between technology and the home.

Smart control

Wi-Fi included for smart control, advanced monitoring and servicing.



MVHR & PRE-INSULATED PIPE

Without heat recovery ventilation ...

REGULAR MANUAL AIRING

- Significant energy loss
- Fluctuating temperatures
- Noise pollution from outside

DAMAGE TO THE BUILDING

- Possible formation of mould/humidity-related damage

DECREASE IN RESALE VALUE

NO AIR FILTRATION

- Exposure to dust and odour
- Exposure to viruses, bacteria and allergens



... with profi-air®

FEEL-GOOD CLIMATE

- No noise pollution
- Constant supply of fresh air

HEALTH PROTECTION

- Reduced exposure to viruses and bacteria
- No exposure to humidity/mould
- Filtration of dust and allergens
- No odour pollution

INCREASE IN RESALE VALUE

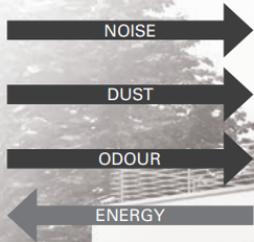
**ENERGY SAVINGS/
INCREASE IN ENERGY EFFICIENCY**

COMPLIES WITH APPLICABLE STANDARDS

HYGIENICALLY SOUND

BUILDING PROTECTION

- No formation of mould/humidity-related damage
→ Stable value of property!



FRÄNKISCHE

Austroflex®

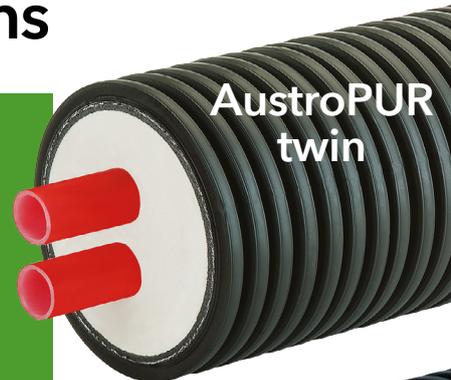
Pre-insulated Pipe Systems

AustroPUR single



Heating 6 bar.
Sizes:
25mm - 125mm
Sanitary 10 bar.
Sizes:
25mm - 63mm

AustroPUR twin



Heating 6 bar.
Sizes: 25mm - 75mm
Sanitary 10 bar.
Sizes:
25mm + 20mm,
32mm + 20mm,
40mm + 25mm,
50mm + 32mm

AustroPEX quad



Comprising two heating and two sanitary pipes.
Sizes:
2 x 25mm heating + 25mm + 20mm sanitary
2 x 32mm heating + 25mm + 20mm sanitary
2 x 32mm heating + 32mm + 20mm sanitary

AustroPEX heat pump



Comprising two heating pipes and two empty conduits for power and data cables.
Sizes:
2 x 32mm heating + 2 x conduits
2 x 40mm heating + 2 x conduits

AIR SOURCE HEAT PUMPS

L-Series All in One

NEW Aquarea High Performance Hydro-Split All in One L Generation Single phase. Heating and Cooling · R290 Wi-Fi adapter included. Indoor unit (H x W x D): 1 642 x 599 x 602 mm. Operation range down to -25 °C in heating.

Product code	Description
KIT-ADC05L3E5UK	PAN 5KW R290 AQUAREA ALL IN ONE L-GEN 1PH ASHP
KIT-ADC07L3E5UK	PAN 7KW R290 AQUAREA ALL IN ONE L-GEN 1PH ASHP
KIT-ADC09L3E5UK	PAN 9KW R290 AQUAREA ALL IN ONE L-GEN 1PH ASHP



J Gen - Monoblocs

Aquarea High Performance Monobloc J Generation Single phase. Heating and Cooling - MDC · R32 Energy efficiency: A+++ in heating at 35 °C / "A" water pump with variable speed / Built-in flow meter. Flexibility: Built-in magnetic water filter / Built-in 6L expansion vessel. Comfort: Operating range and heating curve down to -20 °C / 60 °C water outlet temperature / Cooling mode down to +10 °C. Control: Additional functions with optional PCB (2 zone control, bivalent control, Smart Grid contact and more). Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

Product code	Description
KIT-MDC05J3E5	PAN 5KW R32 AQUAREA MONO J-GEN 1PH ASHP
KIT-MDC07J3E5	PAN 7KW R32 AQUAREA MONO J-GEN 1PH ASHP
KIT-MDC09J3E5	PAN 9KW R32 AQUAREA MONO J-GEN 1PH ASHP

H Gen - Monoblocs

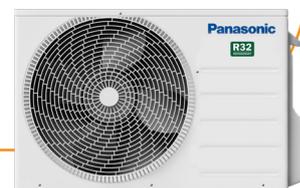
Aquarea High Performance Monobloc H Generation Single Phase. Heating and Cooling - MDC · R410A Energy efficiency: A+++ in heating at 35 °C / "A" water pump with variable speed / Built-in flow meter. Flexibility: Optional magnet for the water filter. Comfort: Operating range and heating curve down to -20 °C / 55 °C water outlet temperature. Control: Additional functions with optional PCB (2 zone control, bivalent control, Smart Grid contact and more). Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

Product code	Description
WH-MDC12H6E5	PAN 12KW R410A AQUAREA MONO H-GEN ASHP
WH-MDC16H6E5	PAN 16KW R410A AQUAREA MONO H-GEN ASHP

J Gen - Monoblocs TCAP

Aquarea T-CAP Monobloc J Generation Single phase / Three phase. Heating and Cooling - MXC · R32 Energy efficiency: A+++ in heating at 35 °C / "A" water pump with variable speed / Built-in flow meter. Flexibility: Built-in magnetic water filter. Comfort: Constant capacity and operating range down to -20 °C / 65 °C water outlet temperature. Control: Additional functions with optional PCB (2 zone control, bivalent control, Smart Grid contact and more). Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

Product code	Description
MXC09J3E5	PAN 9KW R32 AQUAREA TCAP MONO J GEN ASHP
MXC12J6E5	PAN 12KW R32 AQUAREA TCAP MONO JGEN ASHP
MXC16J9E8	PAN 16KW R32 AQUAREA TCAP MONO HGEN ASHP





A DISTRIBUTOR WITH A DIFFERENCE

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WWW.ETUPLING.CO.UK



This underfloor heating & air source heat pump app is incredible! Really simple and easy to use, an instant quotation is available within 4-5 clicks of the screen, empowering our staff to confidently sell UFH and ASHP's. The speed of obtaining a full quote within minutes pleases our customers tenfold, this app completely takes the long hassle and lengthy detail of UFH away from the trade counter, ensuring easy transactions and happy customers! E.Tupling also take care of the entire sale from quote to delivery and install advice. This app is ground-breaking for the team!

- Gary Fox, Trade Counter Manager, Plumbcall





Our Commitment To Our Customers

We are official members of The Builders Merchants Federation. Enabling us to better serve our merchants via enhanced BMF knowledge, training and expertise. We are also an approved supplier for the NMBS providing value-add unrivalled service to the National Merchants' Buying Society nationwide.

Our Commitment To Our Community

E. Tupling are an official Business Patron of the Warrington Wolves Charitable Foundation. Our entire business ethos and company values are centred around our customers and the local community being at the heart of everything we do. The Wolves Foundation is the heartbeat of its community, therefore we are excited to be supporting such a great local charity. The Foundation support local families, schools and sports clubs throughout Warrington, and also provide care for disabilities, disadvantaged and mental wellbeing through sports.

Our Commitment To Our Industry

E. Tupling are MULTI-AWARD WINNERS! We are super proud to have been awarded 'BEST INDEPENDENT UNDERFLOOR HEATING SYSTEM PROVIDER - UK' in the Build Construction & Engineering Awards 2021 & 2022!

We have also won 'Highly Commended UK Distributor Of The Year Winner 2022' by HVR Awards, 'The BMF Young Supplier Achiever Award Winner 2021' and 'Plumbers & Builders Merchant Distributor Of The Year 2022' by SME Awards.

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☎ 0161 776 0077

✉ ufh@etupling.co.uk

📍 Calver Road, Winwick Quay, Warrington, WA2 8UD

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Opening Times

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Sat - Sun: Closed



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