

prowarm™

AFFORDABLE LUXURY HEATING

UNDERFLOOR HEATING

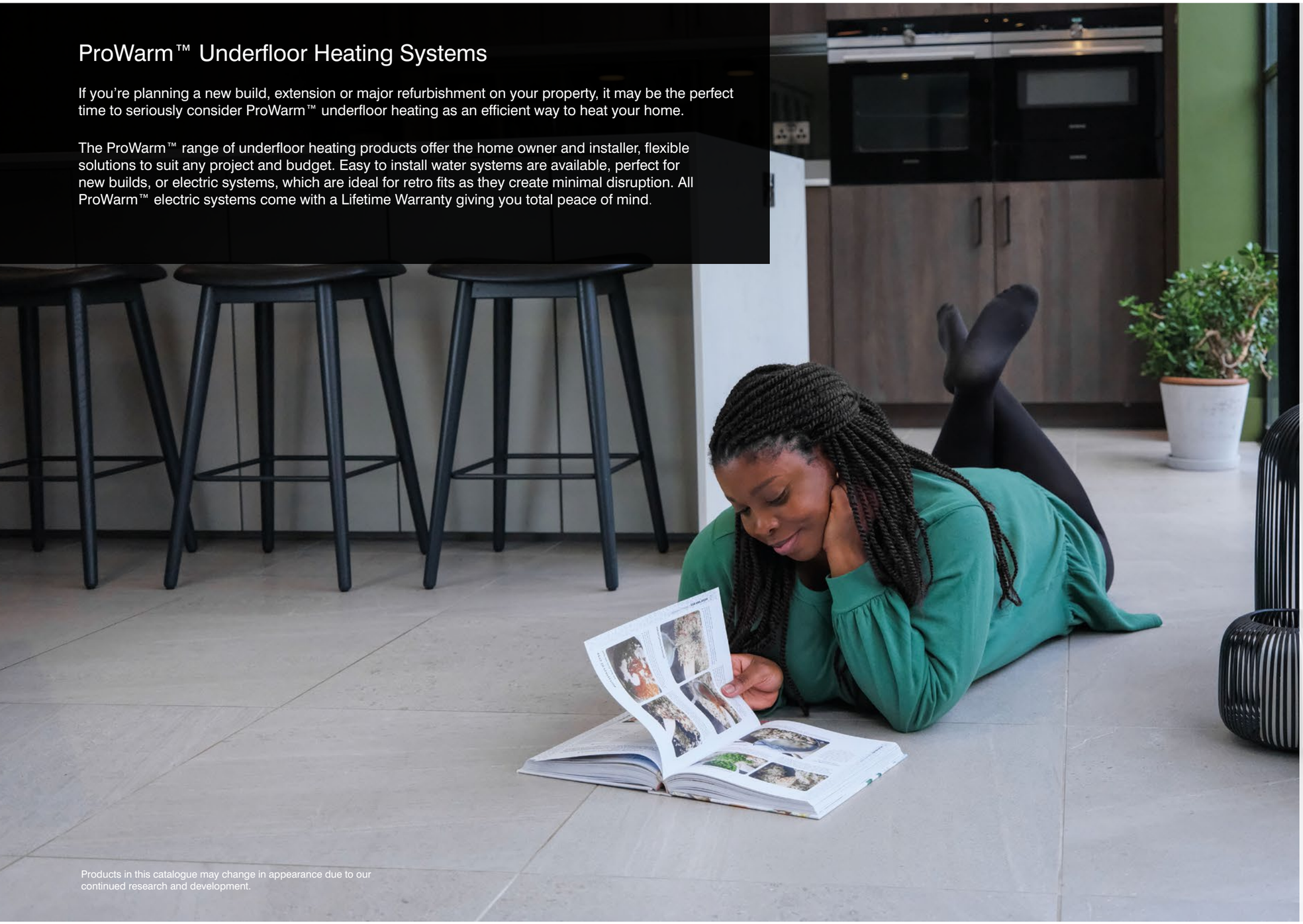
2025 BROCHURE

prowarm™ Affordable luxury for any room & every budget

ProWarm™ Underfloor Heating Systems

If you're planning a new build, extension or major refurbishment on your property, it may be the perfect time to seriously consider ProWarm™ underfloor heating as an efficient way to heat your home.

The ProWarm™ range of underfloor heating products offer the home owner and installer, flexible solutions to suit any project and budget. Easy to install water systems are available, perfect for new builds, or electric systems, which are ideal for retro fits as they create minimal disruption. All ProWarm™ electric systems come with a Lifetime Warranty giving you total peace of mind.



Products in this catalogue may change in appearance due to our continued research and development.

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Why have underfloor heating?

Save on energy bills!

Are you looking for a more efficient and cost-effective way to heat your home? Look no further than underfloor heating! With its growing popularity, it's no surprise that more and more homeowners are opting for this innovative heating solution.

One of the primary benefits of underfloor heating is its affordability. Installation costs are relatively low compared to traditional heating methods, and it's also economical to run. Additionally, underfloor heating requires little maintenance, making it a hassle-free option for busy homeowners.

Another significant advantage of underfloor heating is its space-saving design. Say goodbye to bulky radiators taking up valuable wall space. Underfloor heating is installed beneath the floor, freeing up wall space and giving you more flexibility in your interior design.

Not only is underfloor heating convenient and practical, but it's also eco-friendly. Because the heat is distributed evenly throughout the room, underfloor heating requires less energy to achieve the same level of warmth as traditional heating methods. This results in a reduced carbon footprint and lower energy bills.



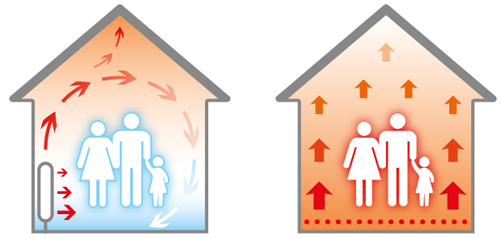
‘ Underfloor heating is up to **25% more efficient** than conventional radiators ’



Water underfloor heating works by circulating warm water through a network of pipes installed beneath the floor. Electric underfloor heating, on the other hand, uses a series of cables to generate heat. Both options are connected to a power supply and can be easily controlled with a thermostat.

Don't miss out on the benefits of underfloor heating. Experience the comfort, convenience, and eco-friendliness of this innovative heating solution today!

The radiant form of underfloor heating with even heat distribution is far more comfortable and efficient than the convected heat provided by radiators, which draws cold air across the floor, heating it and then convecting it upwards towards the ceiling.

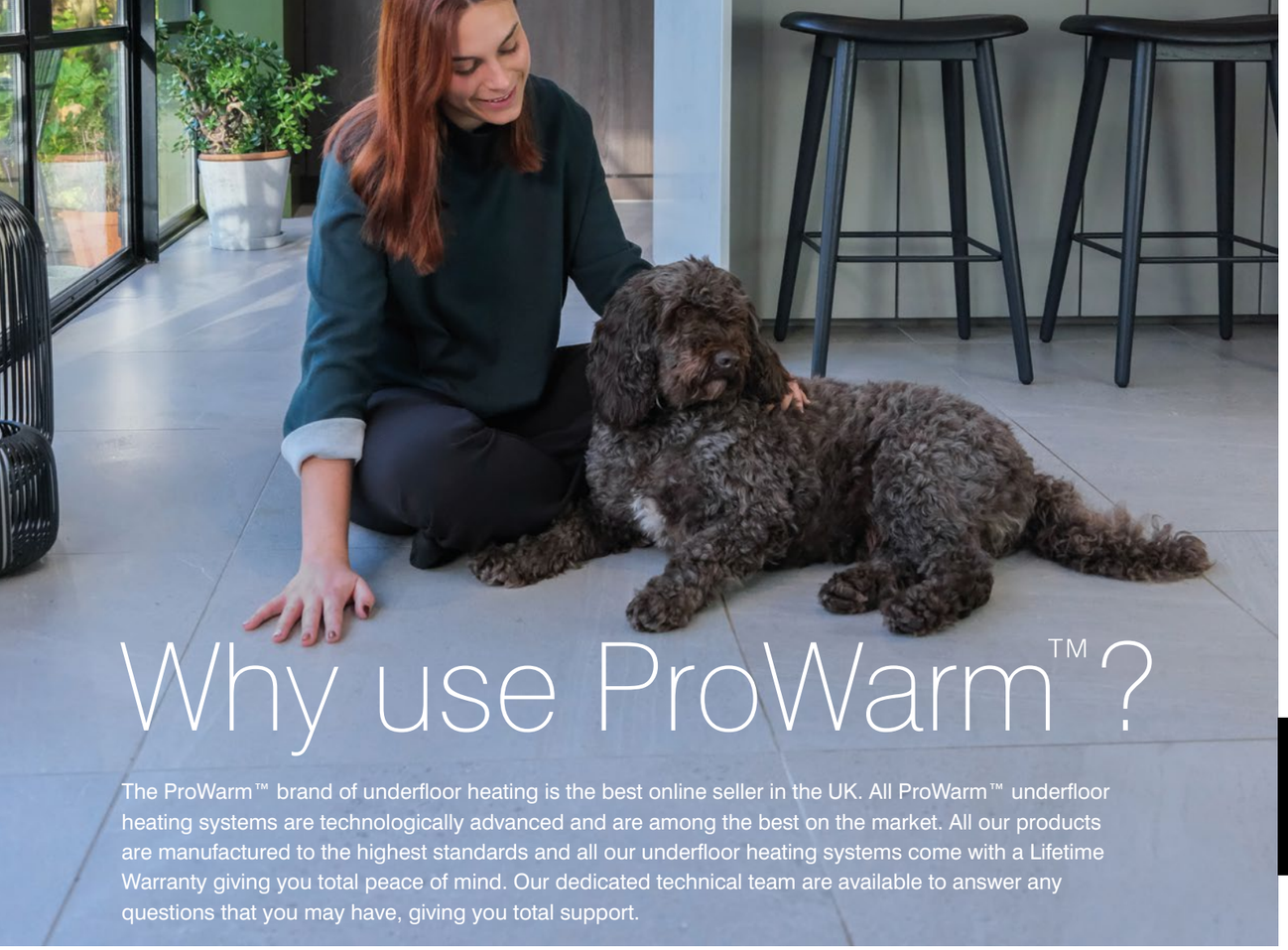


Typical Central Heating

Radiant underfloor heating

Efficient even heat distribution

- Energy efficient
- Even heating for the whole room
- Easy to install
- No more cold floors
- Individual room control
- More efficient than radiators



Why use ProWarm™?

The ProWarm™ brand of underfloor heating is the best online seller in the UK. All ProWarm™ underfloor heating systems are technologically advanced and are among the best on the market. All our products are manufactured to the highest standards and all our underfloor heating systems come with a Lifetime Warranty giving you total peace of mind. Our dedicated technical team are available to answer any questions that you may have, giving you total support.

Lifetime Warranty

All our Underfloor Heating Systems come with a Lifetime Warranty

5 Star Reviews

We are an award winning company with over 100,000+ positive reviews

Quality Products

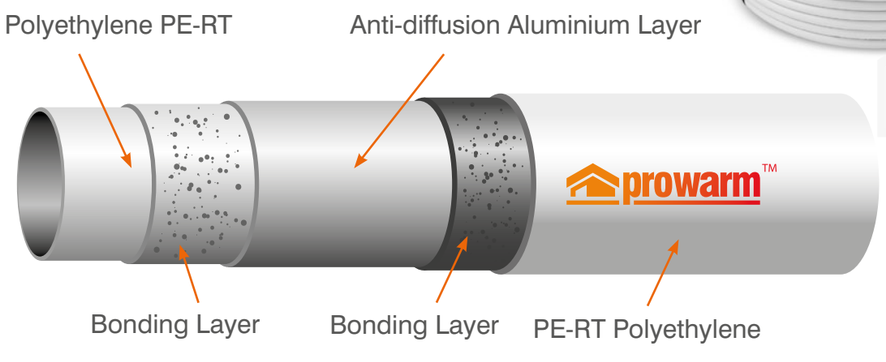
All our products are manufactured to the highest standards

UFH Experts

We have a fully qualified technical team to provide expert advice on your project needs

High quality multi layered pipe (Pert-Al-Pert) in all our ProWarm™ water systems





50 YEAR PIPE WARRANTY

MADE IN EUROPE — BEST QUALITY MADE IN EUROPE

- PERT/AL/PERT
- 100% OXYGEN IMPERMEABLE
- MAX PRESSURE & TEMPERATURE 10BAR, 95°C (Actual working pressure & temperature 1-1.5 Bar, 35-50°c)

Excellent rating
100,000+ satisfied customers

Trustpilot

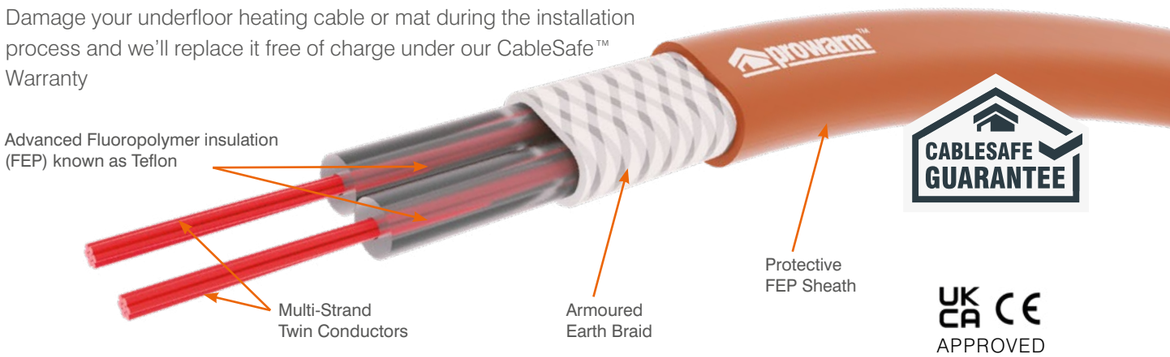
LIFETIME WARRANTY

We have such confidence in the quality of our products that we offer a Lifetime Warranty on all our electric underfloor heating systems and thermostats.



ProWarm™ ultra thin electric cable.
Maximum quality, minimum floor height

Damage your underfloor heating cable or mat during the installation process and we'll replace it free of charge under our CableSafe™ Warranty



CABLESAFE GUARANTEE

UK CA CE APPROVED

- ULTRA THIN CABLE
- ONLY 2MM THICK
- MINIMUM FLOOR HEIGHT
- PEACE OF MIND WARRANTY

Which ProWarm™ system and why?

Water

UNDERFLOOR HEATING

- For major renovations and new builds
- Generally cheaper to run than electric heating
- Perfect for large areas and multiple rooms
- Can be run using air and ground source heat pumps for efficiency



Electric

UNDERFLOOR HEATING

- Can be retro fitted into existing rooms without too much disruption - easy to install
- Cheaper to install in smaller areas i.e. kitchens/ bathrooms
- Will only increase floor height by as little as 3mm
- Wattage output options available for different room scenarios





UNDER NEW CONCRETE OR SCREED FLOORS

A cost effective solution for installing water underfloor heating into new build properties or new extensions

See Page 12



OVER EXISTING FLOORS

Installing water underfloor heating over existing floors is simple using our New LoFlo™ range.

See Page 16



BETWEEN JOISTS OR SUSPENDED FLOORS

Installing water underfloor heating between joists is easy using our 3 different installation solutions

See Page 20



CLIP STAPLE
See Page 13



CLIP RAIL
See Page 14



PRO CRATE
See Page 15



LOFLO *MAX*
for tiled floors
See Page 17



LOFLO *LITE*
for wood / laminated floors
See Page 18

Low Profile
Minimal impact on floor height





SPREADER / HEAT PLATE
See Page 21



PRO FLOOR
See Page 22



IN JOIST FOIL BOARDS
See Page 23



TILED FLOORS

There are 2 different types of suitable systems for tiled floors, **heating mats and loose cables**



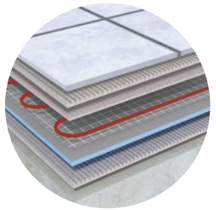
WOODEN FLOORS

We recommend underwood **foil heating mats** for wood / laminated floors. It's possible to use mats & loose cables, providing the mat / cable is covered with a minimum of 10mm self levelling

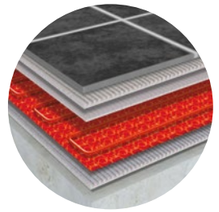


CARPET or VINYL FLOORS

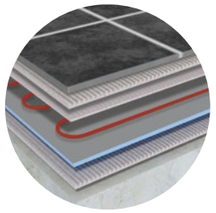
We recommend underwood **foil heating mats** for carpet & vinyl floors. These MUST be used with our dual overlay Heat-Pak system



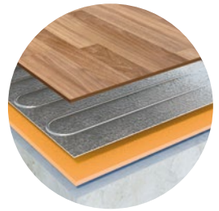
HEATING MATS
Best suited for tiled floors
See Page 38



PROGRID SYSTEM
Best suited for tiled floors
See Page 42



LOOSE CABLES
Best suited for tiled floors
See Page 40



FOIL MATS
For use with wood / laminated, vinyl* & carpet* floors
See Page 44

*Use with Heat-Pak dual overlay

Water underfloor heating

ProWarm™ Underfloor Heating Systems

With a water-based underfloor heating system, a series of pipes are connected to an existing heating system, where warm water is circulated throughout the floor to heat the space. Because the heat emitted from an underfloor system is more evenly distributed than a single radiator, the system can use water at a lower temperature. So it's a more efficient way of heating your home.

Underfloor heating is generally associated with tiled and wood laminated floors. It is possible to install in a carpeted room, providing the combined carpet and underlay isn't too dense which would prevent the system operating properly (a combined tog of no more than 2.5 is ideal). With vinyl floors we'd recommend checking with the flooring manufacturer to ensure the chosen vinyl is suitable for underfloor heating.

Standard output system

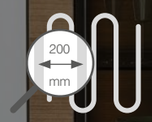
A standard output system is suitable for internal well insulated areas such as a living room, dinning room and bedroom, controlled by a single thermostat.



Pipe	16mm
Spaced	250mm

High output system

A high output system is suitable for areas of high heat loss, ideal for kitchens, bathrooms, conservatories, extensions and external buildings with lots of glass.



Pipe	16mm
Spaced	200mm

Multi-room system

A multi zone system is suitable when you want to control different rooms at different temperatures and times, ideal for complete new builds.



Pipe	16mm
Spaced	200mm

Low profile system

A low profile system uses a smaller pipe diameter which attains a lower floor height. These systems can be used on existing floors with minimal disruption. Pipes are fitted into our 16, 18 or 20mm low profile insulation panels which are set to 150mm spacings



Pipe	12 or 16mm
Spaced	150mm

Floor construction

Underfloor heating can be installed within a variety of different floor constructions. The different floor constructions comprise of solid screed floors, floating floors and suspended floors. The insulation below the underfloor heating should be of an adequate thickness and resistance to restrict any downward heat loss.

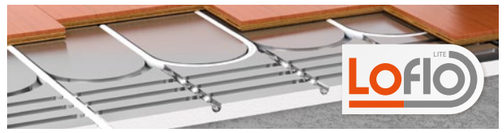
Screed Systems

Screed systems rely on thermal conductivity to transfer heat from the pipes within the screed to the finished floor level. The makeup of a screed system consists of slab or over site base, edge insulation around the perimeter of all walls to allow for expansion and contraction and to prevent heat conduction from the floor to the walls. A suitable insulation is then laid on top of the over site and the underfloor heating pipes are fixed to the insulation with screed encasing the pipes.



Existing Floors

Our LoFlo™ overlay range makes it possible to install a low profile water underfloor heating system over your existing floor. Our overlay range uses pre routed flooring panels with a minimal increase to the floor height.



Suspended Floor

Suspended underfloor heating systems regularly use heat diffusion plates to dissipate the heat evenly. Insulation is tightly fixed between the joists and then the aluminium heat spreader plates are then laid on top of the joists and securely pinned. The underfloor heating pipe work is then fixed in to the plates according to the floor plan layout provided.



Floor coverings

Most floor coverings are suitable for use with underfloor heating systems, below is a general overview of each floor covering.

Tiled / LVT floor

Tiled or LVT flooring offers the least resistance to heat transfer which makes these coverings the ideal partner for underfloor heating. When fitting these products a flexible adhesive must be used to allow for expansion and contraction to restrict the possibility of the finished floor from cracking or coming loose.

Vinyl floor

Vinyl flooring offers a low heat resistance and whilst most vinyl and plastic flooring is suitable for use with underfloor heating, we advise checking with the flooring manufacturer to ensure the chosen vinyl is suitable.

Wood / laminate floors

Wood / laminate floors work well with underfloor heating. You will find that most underfloor heating should not exceed 27°C when wood flooring is laid.

Carpets

Carpet and underlay provides the highest heat resistance. You should make sure the underlay is suitable for the use with underfloor heating and has a low TOG value, the combined carpet and underlay should not exceed 2.5 TOG.

Under Concrete / Screed Floors

If you are planning a new build or extension, an under concrete / screed system is often the best solution both from an installer and homeowner perspective. This installation method needs forward planning in your project but is very simple and quick to install. All our ProWarm™ systems provides a solution with the following benefits

- Cost effective to purchase with no additional insulation or substantial flooring system is required
- Cost effective to run because the insulation ensures that heat is projected up into the concrete/screed and warms up to create an energy store that releases the heat into the floor covering over a prolonged period of time.
- Suitable for all floor coverings
- No impact on floor height

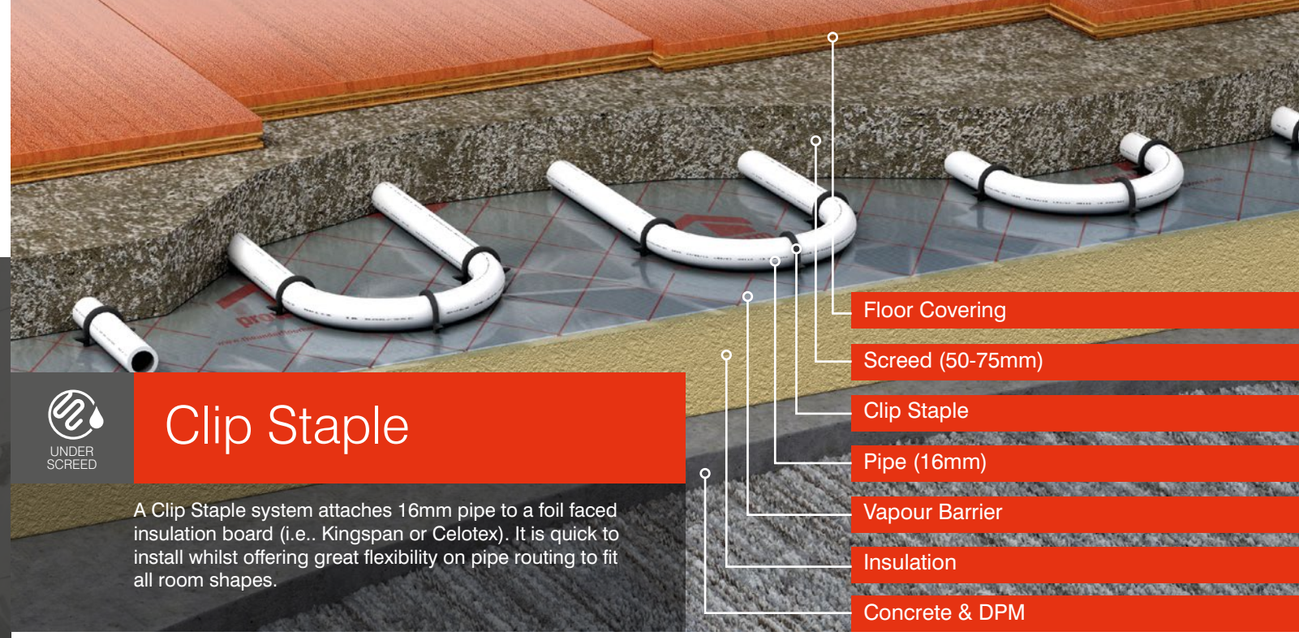
Which Under concrete / screed system to choose?

ProWarm™ supply 3 under concrete / screed underfloor heating systems. The following information is useful to help identify the most appropriate system for your project. More information about each product is available in the following pages.

3 systems to choose from:



	CLIP STAPLE	CLIP RAIL	PRO CRATE
Installation	Quick & simple		
Suitable project types	New build and extension. Typically ground floor levels		
Suitable floor coverings	Suitable for all floor coverings types		
Ideal for rooms with the following shape	Irregular	Regular	Regular
Ready-made pipe spacing	No	Yes	Yes
Suitable screed types	Traditional & liquid		
Additional levelling compound required	Not required		
Available in low profile	Not required, due to in-screed construct		
Pipe options	16mm		
Floor height elevation	No increase to floor height		
Lay floor directly onto the underfloor heating	Yes, directly onto screeded floor		



UNDER SCREED

Clip Staple

A Clip Staple system attaches 16mm pipe to a foil faced insulation board (i.e.. Kingspan or Celotex). It is quick to install whilst offering great flexibility on pipe routing to fit all room shapes.

Clip Staple is a very simple and cost effective installation method offering flexibility on pipe routing to suite all room shapes. This system achieves excellent heat output because pipe is laid directly onto a foil covered insulation board and the concrete/screed acts as a conductor and energy store projecting the heat up into the floor covering over a prolonged period.



Pipework Layout Suitability



Installer benefits

- Quick & easy installation
- Flexibility of pipe routing and spacing

Homeowner benefits

- Excellent heat output
- Suitable for all floor coverings
- No increase to floor height
- Cost effective solution

Floor Heat Output

Tile	★★★★★
Wood	★★★½☆
Carpet	★★★☆☆

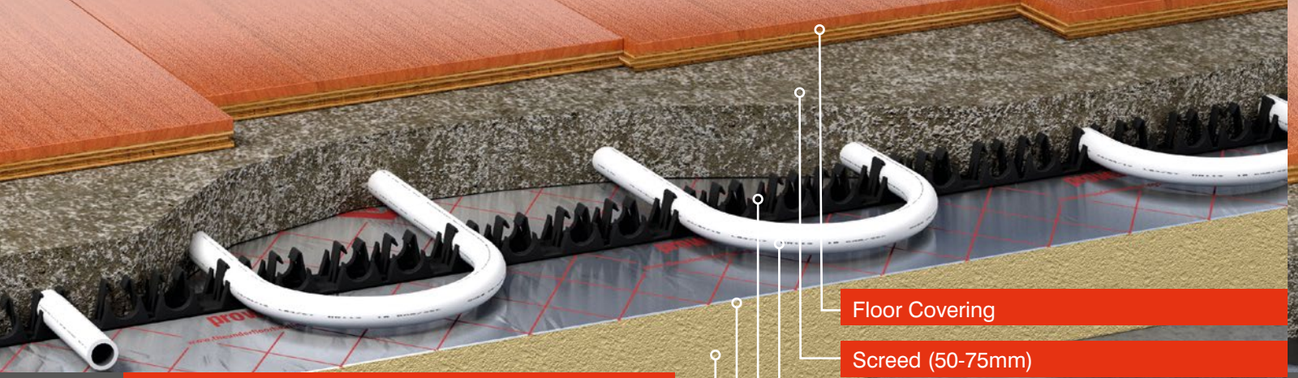
Product code	Description
PIPEFIXINGCLIP40MM	Pipe Fixing Clips (Box of 300) - 40mm
PIPEFIXINGCLIP50MM	Pipe Fixing Clips (Box of 300) - 50mm
PWEDGEINSULATION	50m Roll Self Adhesive Perimeter Insulation (100mm x 8mm)
PIPETACKER	Pipe Tacker Gun

TOP TIP

Request a quotation early in your project. Our ProWarm™ Design Consultants can help select the most appropriate system, which will speed up the installation, reduce costs and provide a better heat output.

Installation video

Scan QR code to watch this installation video giving you step-by-step guidance for a successful installation.

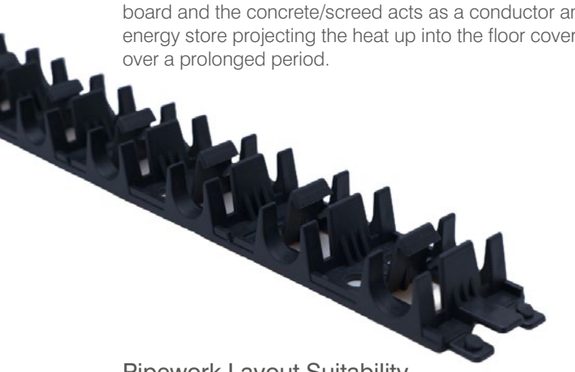


UNDER SCREED

Clip Rail

A Clip Rail system attaches 16mm pipe to a foil faced insulation board (i.e.. Kingspan or Celotex) using ready made pipe spacings. The self adhesive backing speeds up installation with little to no tools and provides a secure fixing.

Clip Rail is a very simple and cost effective installation method. The self adhesive backed strip with regular pipe spacings enables a quick installation process saving time and money. This system achieves excellent heat output because pipe is laid directly onto a foil covered insulation board and the concrete/screed acts as a conductor and energy store projecting the heat up into the floor covering over a prolonged period.



Installer benefits

- Quick & easy installation
- Regular pipe spacings
- Self adhesive backed rails

Homeowner benefits

- Excellent heat output
- Suitable for all floor coverings
- No increase to floor height
- Cost effective solution

Floor Heat Output

Tile	★★★★★
Wood	★★★★½
Carpet	★★★☆☆

Pipework Layout Suitability



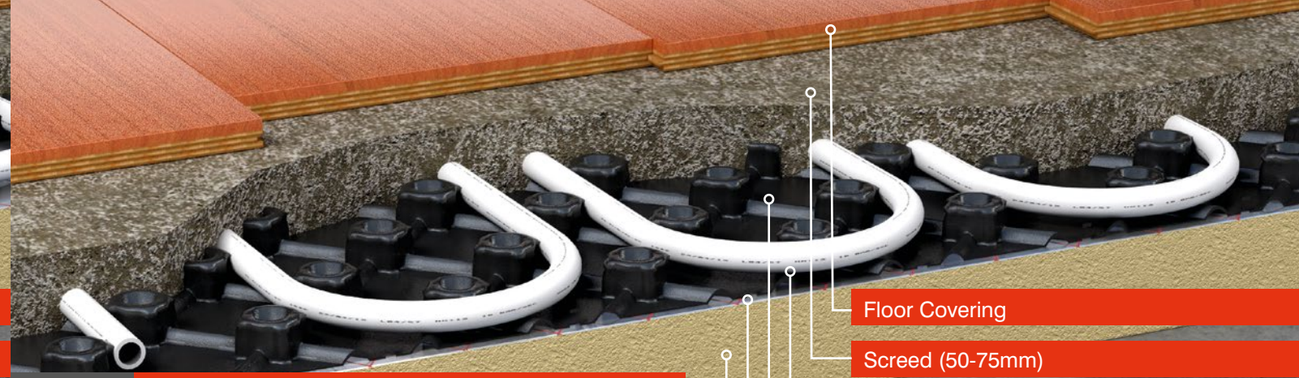
Product code	Description
CLIPRAIL	1m Clip Rail Strip With Adhesive Backing
PWEDGEINSULATION	50m Roll Self Adhesive Perimeter Insulation (100mm x 8mm)

TOP TIP

Installing underfloor heating within a concrete / screed floor creates a storage heat effect. The screed floor absorbs and stores the heat reducing the demand on the heating system, thus saving energy.

Installation video

Scan QR code to watch this installation video giving you step-by-step guidance for a successful installation.



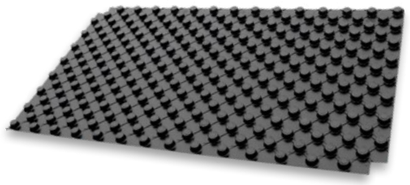
UNDER SCREED

ProCrate

The ProCrate system is ideal when pipes cannot be fixed into insulation. The pipe can be easily clipped into place using the ready-made pipe spacings. The ProCrate is self adhesive backed to provide a secure floor fixing.

ProCrate floor panels are easily cut to the room shape forming a simple grid for the quickest possible pipe laying with a precise guide for minimum bending radius. The pipe is securely set at the required centres preventing movement when screeding.

This system achieves an excellent heat output as the pipe is installed above foil faced insulation and the concrete/screed acts as a conductor and energy store projecting the heat up into the floor covering over a prolonged period.



Installer benefits

- Quick & easy installation
- Ready made pipe spacings
- Self adhesive backed crate

Homeowner benefits

- Excellent heat output
- Suitable for all floor coverings
- No increase to floor height
- Cost effective solution

Floor Heat Output

Tile	★★★★★
Wood	★★★★½
Carpet	★★★☆☆

Pipework Layout Suitability



Product code	Description
PROCRATEV2	ProCrate Egg Crate Panel (1250mm x 850mm x 20mm) - For 14mm - 17mm Pipe
PWEDGEINSULATION	50m Roll Self Adhesive Perimeter Insulation (100mm x 8mm)



TOP TIP

Upgrade to ProWarm™ ProTouch Wifi allowing you to control your heating system from your mobile or tablet anywhere in the world.

See page 47

Installation video

Scan QR code to watch this installation video giving you step-by-step guidance for a successful installation.

prowarm™

Over Existing Floors

If you are approaching a major renovation or extension, our LoFlo™ overlay range makes it possible to install a low profile water underfloor heating system over your existing floor. Our overlay range uses pre routed flooring panels with a minimal increase to the floor height.

- Simple to install. No screeding or levelling compounds are required, lay the flooring panels over existing floor and apply your flooring finish over the top.
- Cost effective to run. Water underfloor heating is an efficient way to provide an even distribution of heat across the entire floor area.
- Suitable for all floor coverings
- 16-20mm increase to floor height

Which Over Existing Floor system to choose?

ProWarm™ supply 2 overlay systems: LoFlo™ Max and LoFlo™ Lite. The following information is useful to help identify the most appropriate system for your project. More information about each product is available in the following pages.

2 systems to choose from:



LOFLO™ *Max*



LOFLO™ *Lite*

Installation	Quick & simple overlay panel	
Suitable project types	New build, extension and retro-fit. Ground or upper floor levels	
Suitable floor coverings	All floor coverings types	Wood / Tile
Ready-made pipe spacing	Yes	Yes
Suitable screed types	No screed required	
Available in low profile	Yes	Yes
Pipe options	12mm	12mm / 16mm
Floor height elevation	18mm	16mm / 20mm
Lay floor directly onto the underfloor heating	Yes, directly onto panels	



EXISTING FLOORS

LoFlo™ Max Panels

The LoFlo™ Max is a low profile system that utilises a 12mm ProWarm™ pipe within pre routed high density dry screed boards laid directly onto existing subfloor. Our patented LoFlo End Return offers a secure housing for the pipe and flexibility for pipe routing.

LoFlo™ Max is a low profile solid floor system that will increase floor height by as little as 18mm. The dry screed board acts as a heat conducting surface transferring heat from the pipe to the floor covering achieving excellent heat output.



Installer benefits

- Quick & easy installation
- Ready made pipe spacings
- Robust floor panel

Homeowner benefits

- Excellent heat output
- Suitable for all floor coverings
- 18mm increase to floor height
- Cost effective retro fit solution

Floor Heat Output

Tile	★★★★★
Wood	★★★½☆
Carpet	★★★☆☆

Pipework Layout Suitability

Product code	Description
PROPANEL	18mm LoFlo Max Panel (800mm x 600mm x 18mm)
PRORETURN	18mm LoFlo Max End Return (300mm x 320mm x 18mm)
OVERLAYGLUE	Kiilto Pro XPU Adhesive Sealant (290ml Tube - Covers 10 Panels)



Low Profile
Minimal impact on floor height

✓TOP TIP

LoFlo™ Range increases the floor height by as little as 18mm. Perfect for a renovation project.

Installation video

Scan QR code to watch this installation video giving you step-by-step guidance for a successful installation.

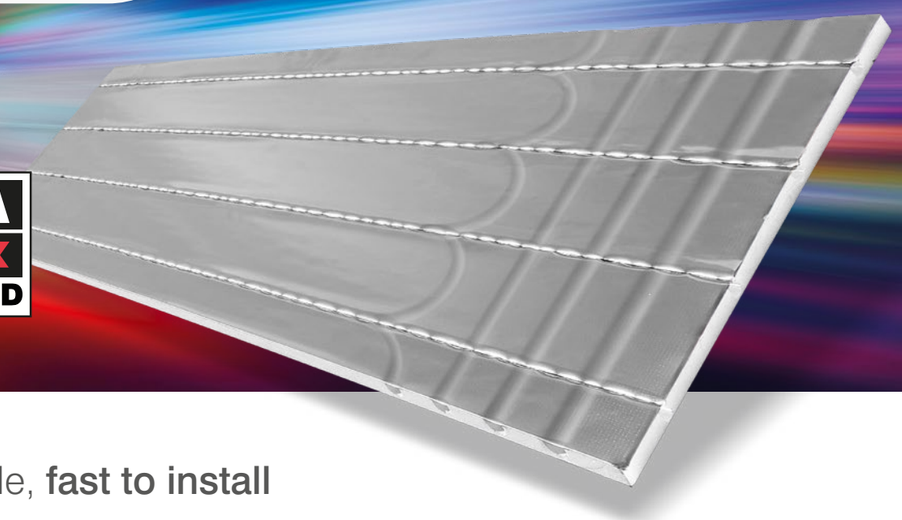
HOT PRODUCT

LoFlo LITE

DUAL PURPOSE OVERLAY

✔ for Tiled floors ✔ for Wood floors

ULTRA TILEFIX ✔ APPROVED



Lite to handle, **fast to install**

ProWarm™ LoFlo™ Lite is simple, quick to install and a cost effective overlay system offering a standard and low profile option. The system is designed to overlay existing floors and is suitable for tile and wood floor coverings with no requirement for screeds or levelling compounds.

The system achieves excellent heat output from the high density 400 EPS insulation boards covered with an aluminium foil to project the heat into the floor covering and distribute the heat evenly.

For tiled floor Coverings

For wood floor Coverings



Features & benefits

- Provides ready-made pipe securing & spacing using pre grooved insulated boards
- High compressive strength insulation, for the direct application of engineered wood floors
- Offers a combined floating floor and underfloor heating solution
- Typical outputs up to 122w/m2
- 600 x 1200 x 20mm (for 16mm pipe)
- 600 x 1200 x 16mm (for 12mm pipe)

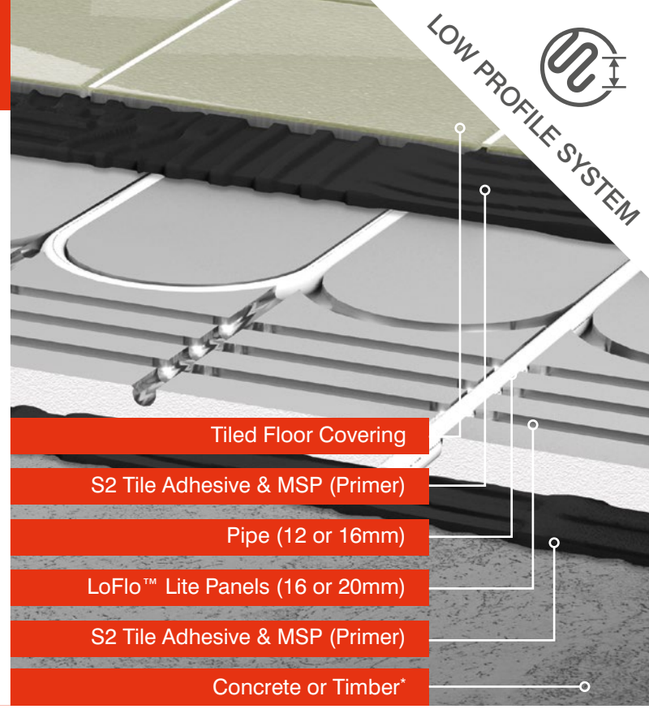
Scan QR code to watch this installation video giving you step-by-step guidance for a successful installation.

Installation video for wood floors

EXISTING FLOORS

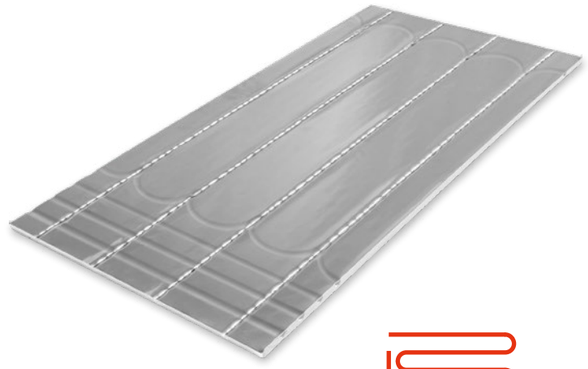
LoFlo™ Lite Panels





*For Timber floor Screws and washers are also required

ProWarm™ LoFlo™ Lite panels utilise high compressive strength through expanded polystyrene, with a high tech aluminium foil covering. This acts as a heat conducting surface to transfer the heat from the pipes to the finished floor above.



Pipework Layout Suitability

Installer benefits

- Quick & easy
- Pre routed board
- Robust floor panel (400 EPS)
- Lay the floor directly onto the board

Homeowner benefits

- Excellent heat output
- Suitable for wood & tile floor coverings
- 16-20mm increase to floor height
- Cost effective retro fit solution

Floor Heat Output

Tile	★★★★★
Wood	★★★★☆
Carpet	★★★☆☆

Product code	Description
LOFLOLITE16	16mm LoFlo Lite Panel (1200mm x 600mm x 16mm) - For 12mm Pipe
LOFLOLITE20	20mm LoFlo Lite Panel (1200mm x 600mm x 20mm) - For 16mm Pipe



Low Profile
Minimal impact on floor height

✔TOP TIP

LoFlo Lite **is a light weight superior grade polystyrene insulation panel simplifying the installation process.**

prowarm™

Between Joists / Suspended Floors

If you are considering underfloor heating upstairs, you can either use an overlay system, which would increase your floor height by 15-20mm or a between joist / suspended floor system, which would not increase floor height.

ProWarm™ offer a range of systems to suit between joists / suspended floors designed to suit the circumstances of your project, which may be a retro fit or new build.

Which Between Joists to choose?

ProWarm™ supply 3 between joist / suspension floor systems. The following information is useful to help identify the most appropriate system for your project. More information about each product is available in the following pages.

3 systems to choose from:



SPREADER / HEAT PLATE SYSTEM

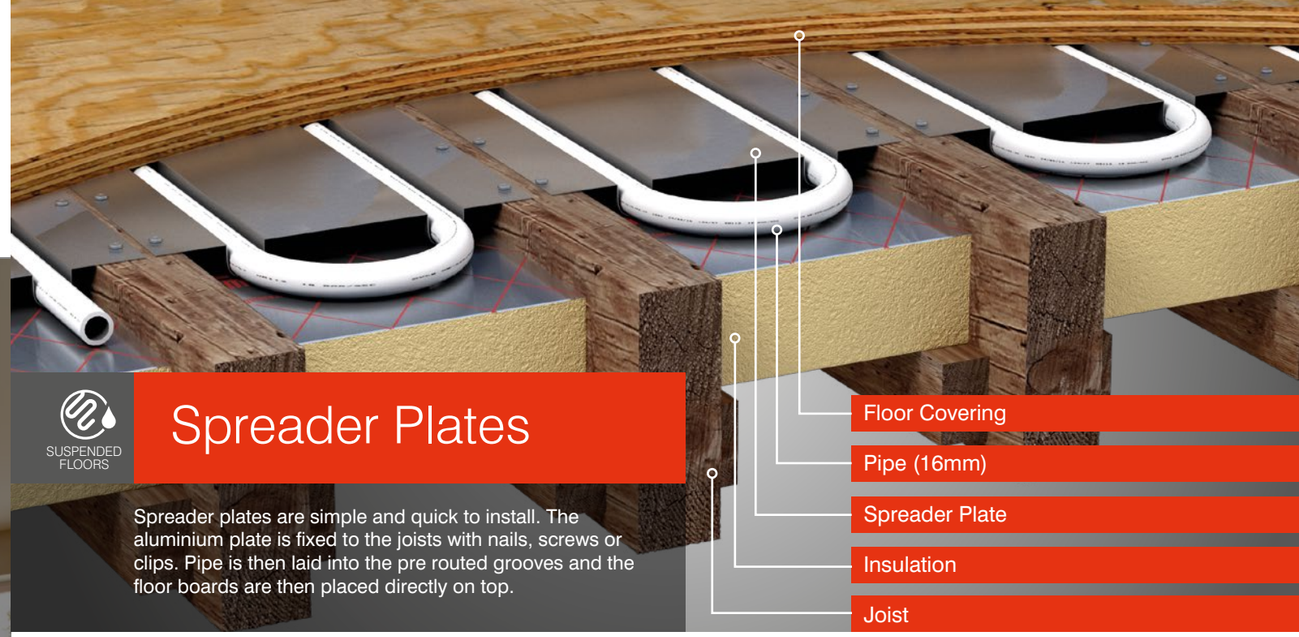


IN JOIST FOIL BOARDS



PRO FLOOR SYSTEM

Installation	Quick & simple		
Suitable project types	New build and extension. Typically upper floor levels		
Suitable floor coverings	Suitable for all floor coverings types		
Ideal for rooms with the following shape	Regular		
Ready-made pipe spacing	Yes	Yes	Yes
Suitable screed types	No screed required		
Additional levelling compound required	Not required		
Available in low profile	Not available		
Pipe options	16mm		
Floor height elevation	No increase to floor height		
Covered with	Structural chipboard/ plywood	Structural chipboard/ plywood	10mm plywood/ cement board



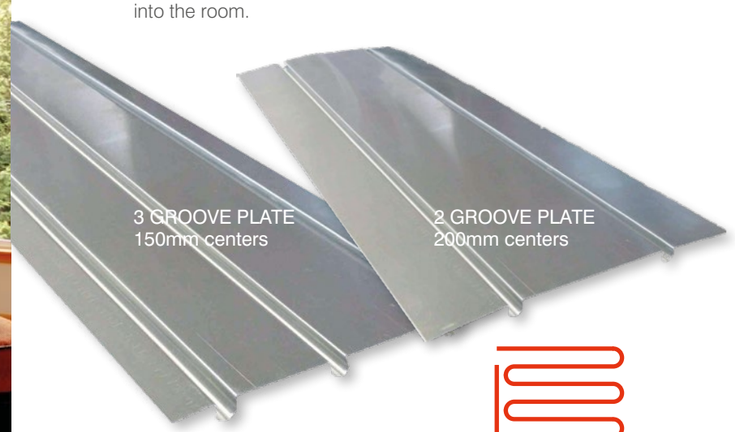
SUSPENDED FLOORS

Spreader Plates

Spreader plates are simple and quick to install. The aluminium plate is fixed to the joists with nails, screws or clips. Pipe is then laid into the pre routed grooves and the floor boards are then placed directly on top.

Spreader plates are an easy and cost effective method to installing underfloor heating into an existing suspended floor.

The aluminium spreader plate evenly distributes the heat across the floor, whilst the insulation projects the heat up into the room.



Pipework Layout Suitability

Installer benefits

- Quick & easy installation
- Ready made pipe spacings

Homeowner benefits

- Cost effective retro fit solution
- Suitable for all floor coverings
- No increase to floor height

Floor Heat Output

Tile	★★★★★
Wood	★★★½☆
Carpet	★★★☆☆

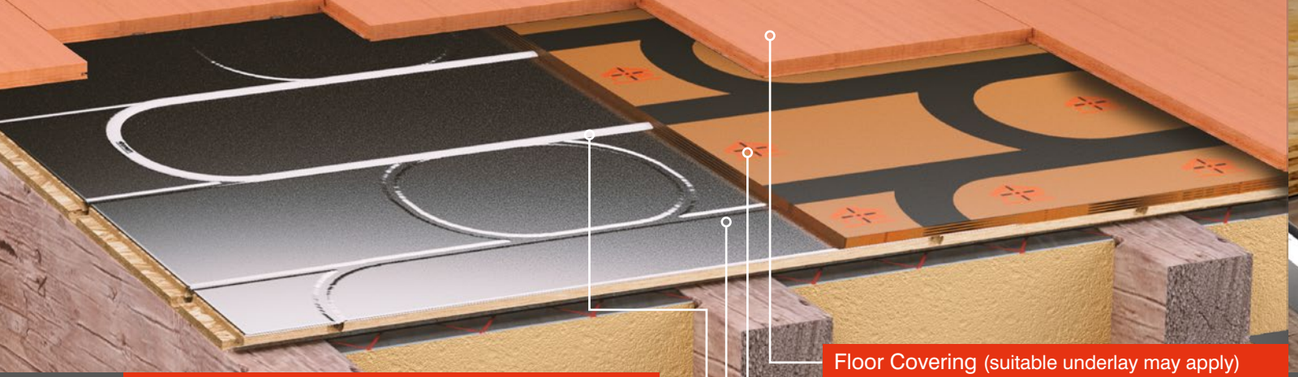
Product code	Description
SPREADERPLATE	2 Groove Spreader Plate (1000mm x 390mm x 0.3mm) - 200mm Pipe Centres
SPREADER150MMCENTRES	3 Groove Spreader Plate (1000mm x 390mm x 0.3mm) - 150mm Pipe Centres

TOP TIP

An aluminium face to the floor panel conducts the heat from the pipe to spread the heat more evenly across the floor covering. This increases efficiency and reduces the likelihood of cold floor areas.

Installation video

Scan QR code to watch this installation video giving you step-by-step guidance for a successful installation.

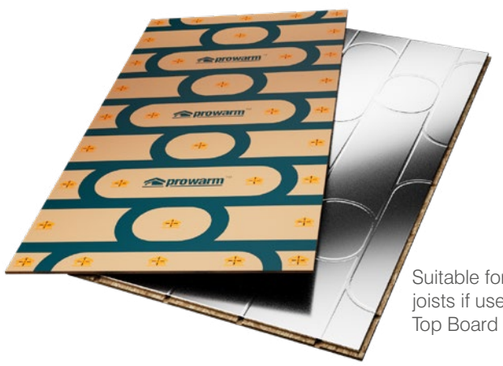


SUSPENDED FLOORS

ProFloor Foil

ProFloor Foil is a foil-faced pre-routed structural floor designed to house 16mm underfloor heating pipe at 150mm centres. ProFloor Foil is the perfect system for suspended floors. It is simple and quick to install.

The pipe is laid directly in the pre-routed floor board projecting the heat up directly into the floor covering thus creating the highest heat output of all our between joists / suspended floor systems.



Suitable for 600mm joists if used with our Top Board

Installer benefits

- Quick & easy installation
- Ready made pipe spacings
- No additional levelling compound required, therefore no drying time
- Board operates as a structural floor

Homeowner benefits

- Excellent heat output
- Suitable for all floor coverings
- No increase to floor height
- Board operates as a structural floor

Floor Heat Output

Tile	★★★★★
Wood	★★★★½
Carpet	★★★★☆

Pipework Layout Suitability



Product code	Description
PROFLOORFOIL-OSB	ProFloor Foil-faced 22mm Pre-routed OSB Panel (1200mm x 600mm x 22mm)
PROFLOORTOPBOARD	Profloor Top Board 6mm - Printed High Density Fibreboard
PROFLOORGLUE-30MIN	ProFloor 30 Minute Polyurethane Wood Adhesive (750g)
PROFLOORSCREW	ProFloor Countersunk 50mm Pozi Screw (Box of 200 - Covers 10m²)

TOP TIP **Our ProFloor board is an all encompassing OSB-3 structural floor panel with pre routed grooves to house the underfloor heating pipe.**

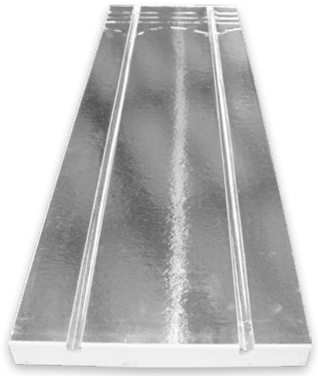


SUSPENDED FLOORS

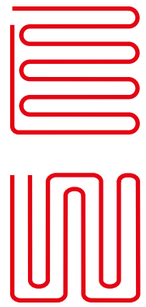
Foil Boards

Foil Boards are laid on to fixed batons to the sides of the joists (about 50mm from the top of the joist). The pipes can then be laid directly into the grooves, designed for 400mm centred Joists.

These unique boards combined the idea of both the spreader plate and insulation in one system, the 50mm thick EPS insulation panel has the grooves pre formed in them at 200mm centres the whole board is then covered with an aluminium foil designed to dissipate the heat evenly over the floor above.



Pipework Layout Suitability



Installer benefits

- Quick & easy installation
- Ready made pipe spacings

Homeowner benefits

- Cost effective retro fit solution
- Suitable for all floor coverings
- No increase to floor height

Floor Heat Output

Tile	★★★★★
Wood	★★★★½
Carpet	★★★★☆

Product code	Description
INJOISTSYSTEM1BOARD	Injoist Batten Panel (1200mm x 350mm x 50mm)

TOP TIP **ProWarm™ offer a choice of underfloor heating pipe to meet installer preferences. ProWarm™ pipes include up to a 50 year pipe warranty.** See T&Cs at www.prowarm.com

50 YEAR PIPE WARRANTY

FREE Bespoke Design Service

For Water Systems - Full CAD design service from start to finish

We have dedicated design teams, comprising experts who are able to provide quotes including CAD drawings from customers' own plans. In addition to being experts for electric and water underfloor heating systems, we are also the most proactive when it comes to advice on suitable floor coverings, structural sub floors and installation of the chosen systems. We offer advice on a complete solution for both existing and new construction homes, with a selection of systems to suit all scenarios; suspended floors, floating floors, low profile over floor and screed applications.



Project support from start to finish

- Expert advice from a qualified team
- **FREE** bespoke design including CAD drawings
- Get your quotes back within 24 hours
- Upload your files easily and quickly

Use the QR code above to contact us about our full design service



Pipe Options

WATER UFH

PERT-AL-PERT

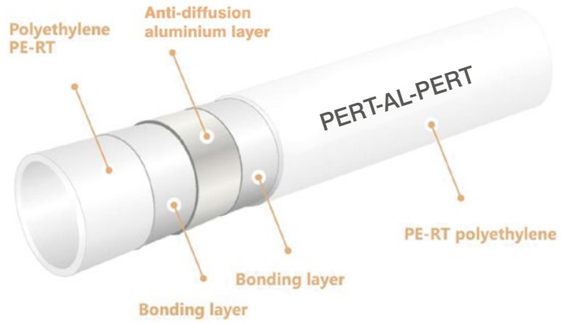
ProWarm™ PERT-AL-PERT Underfloor Heating Pipe is an ultra-high quality, safe and reliable European manufactured product with a 50 year pipe warranty. The pipe consists of; polyethylene raised temperature inner; a central core of aluminium alloy which also acts has an oxygen barrier, and Polyethylene raised temperature outer layer (PERT).

The layers of adhesive bind the inner and outer polyethylene layers to the central core of aluminium alloy oxygen barrier layer, by a thermal reaction. The oxygen barrier layer is right in the centre of the pipe wall which prevents it being damaged from foot traffic during installation.

Features & benefits

- Flexible premium pipe
- Made with fully recycled materials
- Raised temperature polyethylene
- High heat output
- Holds it shape when bent
- Oxygen barrier
- Tight bending radius
- 50 Year warranty





WRAS APPROVED PRODUCT

50 YEAR PIPE WARRANTY

Product code	Description
PERTALPERT50M	16mm PERT-AL-PERT Pipe - 50m Coil
PERTALPERT60M	16mm PERT-AL-PERT Pipe - 60m Coil
PERTALPERT70M	16mm PERT-AL-PERT Pipe - 70m Coil
PERTALPERT80M	16mm PERT-AL-PERT Pipe - 80m Coil
PERTALPERT90M	16mm PERT-AL-PERT Pipe - 90m Coil
PERTALPERT100M	16mm PERT-AL-PERT Pipe - 100m Coil
PERTALPERT110M	16mm PERT-AL-PERT Pipe - 110m Coil
PERTALPERT120M	16mm PERT-AL-PERT Pipe - 120m Coil
PERTALPERT200M	16mm PERT-AL-PERT Pipe - 200m Coil
PERTALPERT500M	16mm PERT-AL-PERT Pipe - 500m Coil

Pipe Options

PERT EVOH PERT

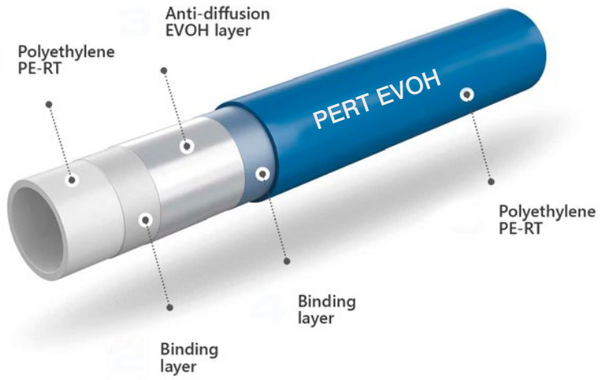
ProWarm™ multilayer pipe PE-RT/EVOH/PE-RT is designed and manufactured for surface heating/cooling systems. Thanks to its flexibility and high performance, the pipe is ideal for manifold systems.

The inner and outer pipes are made of Type II PE-RT. The anti-diffusion EVOH layer prevents oxygen ingress. Thanks to its 5-layer design, the EVOH barrier is protected against environmental conditions such as water seepage and mechanical damage. Made entirely of plastics, the pipe has a uniform structure, which makes it durable, corrosion-resistant, and non-reactive with metals.

Features & benefits

- Ultra flexible pipe
- Oxygen barrier
- Max working pressure 6bar
- Max temperature 70degc
- Low cost
- 25 Year warranty





25 YEAR PIPE WARRANTY

Product code	Description
PERTEVOHPERT50M	16mm PERT-EVOH-PERT - 50m Coil
PERTEVOHPERT60M	16mm PERT-EVOH-PERT - 60m Coil
PERTEVOHPERT70M	16mm PERT-EVOH-PERT - 70m Coil
PERTEVOHPERT80M	16mm PERT-EVOH-PERT - 80m Coil
PERTEVOHPERT90M	16mm PERT-EVOH-PERT - 90m Coil
PERTEVOHPERT100M	16mm PERT-EVOH-PERT - 100m Coil
PERTEVOHPERT110M	16mm PERT-EVOH-PERT - 110m Coil
PERTEVOHPERT120M	16mm PERT-EVOH-PERT - 120m Coil
PERTEVOHPERT200M	16mm PERT-EVOH-PERT - 200m Coil
PERTEVOHPERT500M	16mm PERT-EVOH-PERT - 500m Coil
12MMPERTEVOHPERT80M	12mm PERT-EVOH-PERT - 80m Coil

Ideal for Eggcrate, Loflo Lite & spreader plate systems

Pipe Options

PEX-AL-PEX

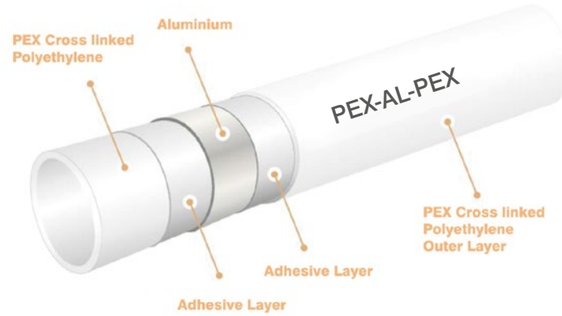
ProWarm™ PEX-AL-PEX Underfloor Heating Pipe is an ultra-high quality, safe and reliable European manufactured product with a 50 year pipe warranty. The pipe consists of; cross linked polyethylene inner, a central core of aluminium alloy which also acts has an oxygen barrier, another layer of adhesive is then added before another layer of cross linked polyethylene.

The layers of adhesive bind the two layers of cross linked polyethylene to the central core of aluminium alloy oxygen barrier layer by a thermal reaction; the oxygen barrier layer is right in the centre of the pipe wall which prevents it being damaged from foot traffic during installation.

Features & benefits

- WRAS approved premium pipe
- Made with fully recycled materials
- Crosslinked polyethylene
- High heat output
- Holds it shape when bent
- Oxygen barrier
- Tight bending radius
- 50 Year warranty





WRAS APPROVED PRODUCT

50 YEAR PIPE WARRANTY

Product code	Description
12MMPEXPIPE50M	12mm PEX-AL-PEX - 50m Coil
12MMPEXPIPE80M	12mm PEX-AL-PEX - 80m Coil

Used with 18mm Loflo Max and 16mm Loflo lite.

Manifold & Mixer Packs

ProWarm™ Manifolds

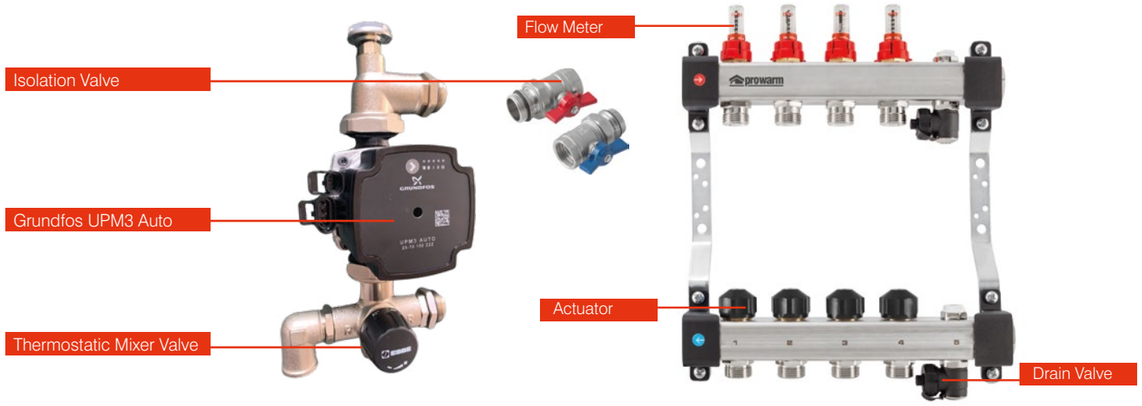
ProWarm™ underfloor heating manifolds distribute the primary warm heating water from your boiler, heat pump, buffer tank or thermal store evenly into each underfloor heating circuit, if there is a demand for heat within that relevant zone. ProWarm™ underfloor heating manifolds are available from 2-12 ports and are manufactured from high grade 304 stainless steel installation and commissioning couldn't be any simpler. *Manifolds are supplied individually with multiple options for isolation ball valves and fill/drain valves. Each individual circuit can be isolated without disruption to the balancing setting, the manifold also incorporates market leading Taconova flow meters, individual circuit isolating valves and wall mounting brackets.

ProWarm™ dedicated UFH technical & sales division can provide detailed manifold specifications according to bespoke design requirements.

* Isolation valves sold separately.

Features & benefits

- High Quality produced product manufactured to BS EN 1264-4.
- ProWarm™ manifolds come with a 10 year warranty.
- Available in various sizes for any design type or specification.
- Main body produced from high grade 304 stainless steel.
- Patented pipe connections for various pipe types and sizes.
- No scheduled maintenance.
- Built in Drain valve.



Product code	Description
PWMANIFOLD2	Prowarm 2 Port Manifold
PWMANIFOLD3	Prowarm 3 Port Manifold
PWMANIFOLD4	Prowarm 4 Port Manifold
PWMANIFOLD5	Prowarm 5 Port Manifold
PWMANIFOLD6	Prowarm 6 Port Manifold
PWMANIFOLD7	Prowarm 7 Port Manifold
PWMANIFOLD8	Prowarm 8 Port Manifold
PWMANIFOLD9	Prowarm 9 Port Manifold
PWMANIFOLD10	Prowarm 10 Port Manifold
PWMANIFOLD11	Prowarm 11 Port Manifold
PWMANIFOLD12	Prowarm 12 Port Manifold

Manifold & Mixer Packs

ProWarm™ 230v Actuator

With their sophisticated engineering, first-rate reliability and high-quality design, the ProWarm™ actuator boasts an impressive low energy consumption of just 1 watt per actuator. The normally closed actuator has a 4mm stroke and is suitable for use with all our manifolds and wiring centres.

ProWarm™ Manifold Control Kit

The ProWarm™ underfloor heating control pack provides safe temperature controlled mixed water to an underfloor heating system with a heat output up to 14KW. Designed to be lightweight and compact in order to connect directly onto a standard manifold without the need for extra brackets or supports. The Control Pack consists of a temperature mixing valve; an A rated high efficiency Grundfos circulator, return elbow, manifold adapters and all necessary seals. ProWarm™ dedicated underfloor heating technical and sales teams can provide detailed specifications according to bespoke design requirements.

Features & benefits

- A rated high efficiency Grundfos circulator as standard for lower energy use and running cost.
- High Quality produced product manufactured to BS EN 1264-4, Nickel plated to match stainless steel manifold.
- Compact bolt on unit providing quick and simple installation.
- For Space heating applications up to 14KW
- Easy set up within the adjustable range of 25°C to 60°C.
- Controls flow temperature to +/- 2°C even with changing boiler flow and return temperatures.
- Flow and return connections can be adjusted to enter from horizontal or vertical.
- No scheduled maintenance.









Product code	Description
GRUNDFOSMANIFOLDPUMPMIXER	Grundfos Manifold Pump & ESBE Mixing Valve Unit
THERMALACTUATOR	ProWarm 230v 2 Wire Thermal Actuator
PWBALLVALVEPAIR	Prowarm 1" x 1" Ball Valve Pair (Isolation Valves)
MEXT450001	Manifold Extension Kit
BRASSBLANKINGCAP	Manifold Brass Blanking Cap
FLOWMETER	Manifold Flow Meter

Manifold & Mixer Packs

ProWarm™ single room control & mixing pack

The ProWarm™ single room underfloor heating control pack provides safe temperature controlled mixed water to an underfloor heating system with a heat output up to 3KW, a perfect solution for retro fitting underfloor heating into an additional room or conservatory.

Designed to be lightweight and compact in order to connect directly onto pipe work without the need for extra brackets or supports. The Control Pack consists of a temperature mixing valve; an A rated high efficiency Grundfos circulator, isolation valves, flow and return connections and fixing kit. ProWarm™ dedicated Underfloor Heating technical and Sales teams can provide detailed specifications according to bespoke design requirements. Single room mixer packs require a dedicated flow and return.

Features & benefits

- A rated high efficiency Grundfos circulator as standard for lower energy use and running cost.
- High Quality produced product manufactured to BS EN 1264-4.
- Compact bolt on unit providing quick and simple installation.
- For space heating applications up to 3KW.
- Easy set up within the adjustable range of 35°C to 65°C.
- Controls flow temperature to +/-2°C even with changing boiler flow and return temperatures.
- No scheduled maintenance.



Product code	Description
GRUNDFOSSINGLECIRCUITPUMP	Grundfos Single Circuit Pump & ESBE Mixing Valve Unit

Manifold Accessories

Product code	Description
12MMCOUPLINGMI	12mm x 1/2" Male Iron Pump Connector
16MMCOUPLINGMI	16mm x 1/2" Male Iron Pump Connector
MOTORISEDVALVE	22mm 2 Port Motorised Valve

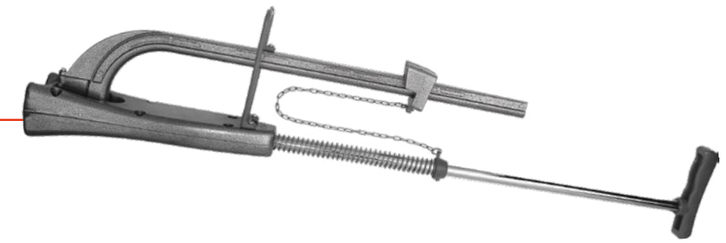
Pipe Fittings



Pipe Fittings & Accessories

Product code	Description
EUROCONE12MM	12mm x 2mm Eurocone Connector
EUROCONE15MM	15mm x 2mm Eurocone Connector
EUROCONE16MM	16mm x 2mm Eurocone Connector
LEADINGBEND10/12	Pipe Leading Bend To Manifold For 10mm - 12mm Pipe
LEADINGBEND14/18	Pipe Leading Bend To Manifold For 14mm - 18mm Pipe
PIPECUTTER	Pipe Cutting Tool
ROUNDINGTOOL	Pipe Rerounding Tool
PIPEDECOILER	Pipe Decoiler
PIPETACKER	Pipe Tacker Gun
PRESSURETESTER	Rothenberger Pressure Tester

Pipe Tacker Gun



Leading Bend



Pipe Decoiler



Eurocone



Thermostats & Controls

Underfloor heating controls

An underfloor heating system is controlled via a wiring centre and a thermostat. At ProWarm™ we provide a wide variety of controls to fit every scenario, whether it is WiFi, wired or wireless. We will advise you at every stage of the project and deliver a control solution to fit every application.

Stylish room thermostats

ProWarm™ offer a wide range of thermostats including electronic dial type, button, touch-screen and WiFi. The majority of our room thermostats are designed to be flush mounted, resulting in a slim profile on the wall after installation.

Easy to install wiring centres

The ProWarm™ central wiring switch box, has been designed to be used with wired, wireless and networked thermostats.

The Wiring Centre offers the following functionality;

- Central wiring for up to 8 zones
- Output for underfloor heating valve and pump, activated when any thermostat calls for heat
- Output for a single radiator zone
- Output for domestic hot water
- Three options available; WiFi, Wireless and Wired

WiFi controls

PROTOUCH WIFI THERMOSTAT

- WiFi Control
- Double Temperature Control
- Programmable
- XL Screen
- Professional Design
- Lifetime Warranty



ProTouch Smart WiFi Thermostat enables control of your underfloor heating via your home WiFi using the easy to use application available on both Android and IOS platforms. Designed to enhance the experience of the end user with a 7-day programmer, optimal start features, multi temperature display and easy to read displays.

Product code	Description
WIFI-TOUCHWHITEV2	ProTouch WiFi Thermostat - White
WIFI-TOUCHBLACKV2	ProTouch WiFi Thermostat - Black



Thermostats & Controls

230v Controls

DS1 Dial Thermostat

- Power On & Heat On Indication
- Single Temperature Control
- Built In Air Sensor



Slimline Thermostat

- Self Learning Preheat
- Temperature Hold Facility
- Key Locking
- Flexible Programming
- Blue Back Light



Touchscreen

- Easy Touch Screen Display
- Self Learning Preheat
- Temperature Hold Facility
- Key Locking
- Flexible Programming
- Blue Back Light



NeoStat Smart Thermostat

- Networking with NeoHub
- Easy Navigation
- Self Learning Preheat
- App Control



Wiring Centres

- Radiator Option
- Din Rail Mounting
- Output Indication



Product code	Description	For use with
DS1	DS1 Dial Thermostat	UH4 / UH8
SLIMLINE	Slimline Digital Programmable Room Thermostat	UH4 / UH8
TOUCH	Touchscreen	UH4 / UH8
NEOSTAT-WHITE	NeoStat - Glacier White	UH4 / UH8
NEOSTAT-BLACK	NeoStat - Sapphire Black	UH4 / UH8
NEOSTAT-PLATINUM	NeoStat - Platinum Silver	UH4 / UH8
NEOHUBGEN2	Neo Hub Gen 2	Neo Thermostats
UH4WIRINGCENTRE	UH4 4 Zone Wiring Centre	230v Thermostats
UH8	UH8 8 Zone Wiring Centre	230v Thermostats

Thermostats & Controls

Wireless Controls

SLIMLINE-RF Programmable Wireless Thermostat



- Key Lock Facility
- Self Learning Preheat
- Temperature Hold Facility
- Key Locking
- Remote Air Sensor Connection
- Compatible with UH8-RF, RF Switch

NeoAir Wireless Programmable Smart Thermostat



- Self Learning Preheat
- Mesh Networking
- Easy Navigation
- Remote Air Sensor Connection
- Wireless Switching to UH8-RF & RF Switch

UH8-RF - Wireless Wiring Centre



- RF Switch Compatible
- Slimline-RF, NeoAir
- Neon Indication
- Din Rail Mounting

RF SWITCH Two Zone Wireless Receiver



- Controls 1 Heating Zone
- 1 Hot Water Zone
- Pairable With UH8-RF
- Volt Free Output for the Boiler

Product code	Description	For use with
NEOAIRWHITE	NeoAir - Glacier White	UH8-RF / RF-Switch
NEOAIRBLACK	NeoAir - Sapphire Black	UH8-RF / RF-Switch
NEOAIRPLATINUM	NeoAir - Platinum Silver	UH8-RF / RF-Switch
NEOHUBGEN2	NeoHub Gen 2	Neo Thermostats
SLIMLINE-RF	Slimline RF Programmable Room Thermostat	UH8-RF / RF-Switch
UH8-RF	UH8-RF 8 Zone Wiring Centre	Wireless Thermostats
RF-SWITCH	RF Switch Wireless Receiver	Wireless Thermostats

Controls Accessories	
FPROBE	ProWarm Floor Probe
EN030	Remote Probe Housing
Motorised Valves	
MOTORISEDVALVE	22mm 2 Port Motorised Valve





Typical Multi-Room Kit

Contents of a water kit, based on a 60m² multi-room system



No.	Description	Product Code
1	Edging Insulation	PWEDGEINSULATION
2	Prowarm Pert-Al-Pert Pipe (Length based on room size)	
3	Grundfos Pump and Mixing Unit	GRUNDFOSMANIFOLDPUMPMIXER
4	Manifold (Dependent on kit)	
5	Pipe Staples	PIPEFIXINGCLIP40MM / PIPEFIXINGCLIP50MM
6	Ball Valves	PWBALLVALVEPAIR
7	Euro Cones	EUROCONE10MM
8	Pipe Re-rounding Tool	ROUNDINGTOOL
9	Pipe Cutters	PIPECUTTER
10	Thermal Actuator Valves (Multi-Room Kits Only)	THERMALACTUATOR
11	Thermostat (Will Vary Dependent On Selection)	
12	Wiring Center (Multi-Room Kits Only)	PW8ZWC

WATER UFH

Typical Single Room Kit

Contents of a water kit, based on a 15m² standard output system



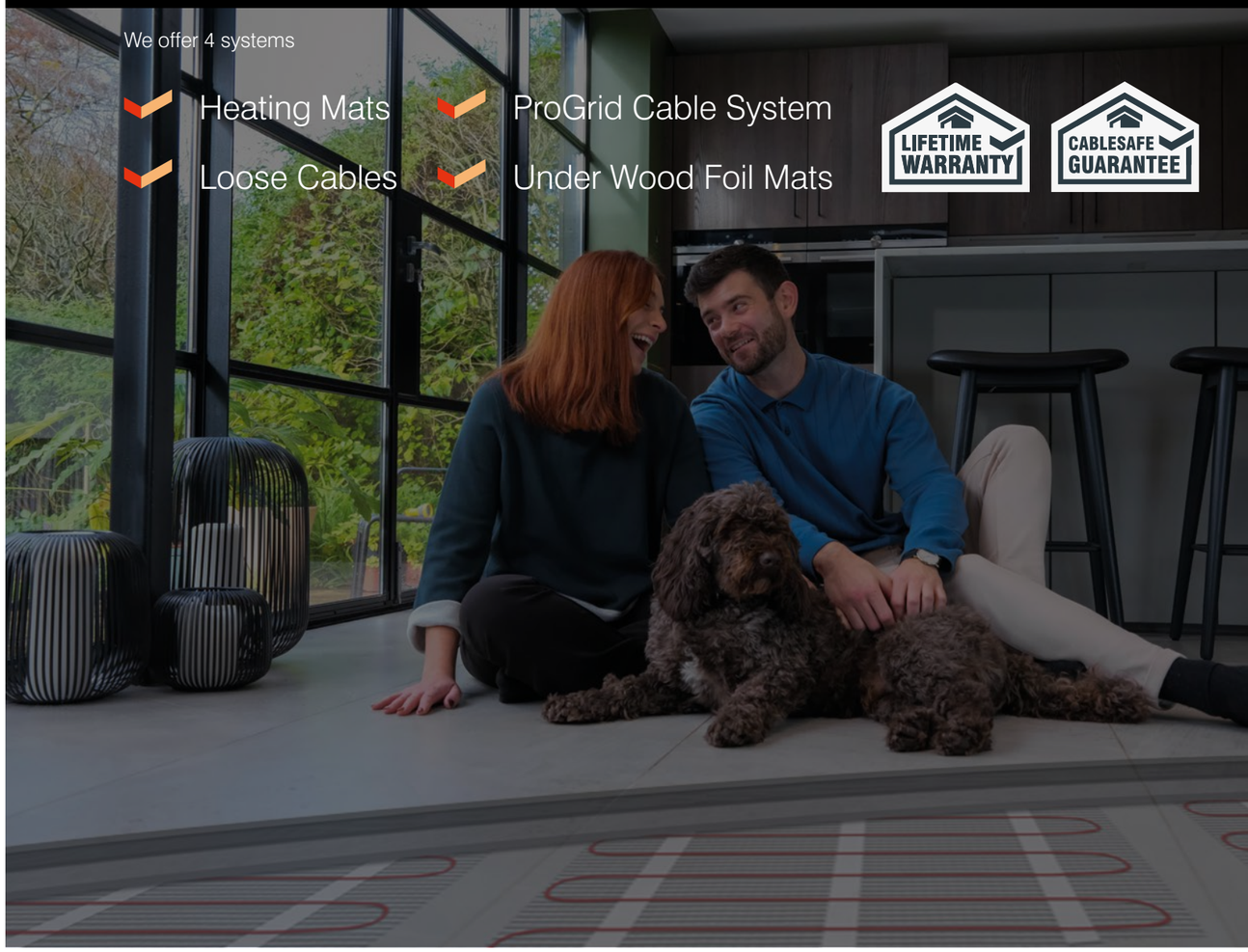
No.	Description	Product Code
1	Edging Insulation	PWEDGEINSULATION
2	Prowarm Pert-Al-Pert Pipe (Length based on room size)	
3	Male Iron Couplings	16MMCOUPLINGMI
4	Grundfos Single Circuit Pump & Mixing Valve Unit	GRUNDFOSSINGLECIRCUITPUMP
5	Pipe Staples	PIPEFIXINGCLIP40MM / PIPEFIXINGCLIP50MM
6	Pipe Re-rounding Tool	ROUNDINGTOOL
7	Pipe Cutters	PIPECUTTER
8	Thermostat (Will Vary Dependent On Selection)	

prowarm™

electric underfloor heating

ProWarm™ Underfloor Heating Systems

There are 2 main types of electric underfloor heating systems; loose cables and mats. Loose cables are flexible enough to fit into small or awkward spaces. Heating mats are quicker to install, as they are simply rolled out, making them ideal for covering large areas. Both heating mats and cables are connected to a power supply, via an RCD, and are wired to a thermostat to control the temperature of the floor.



Measuring Up

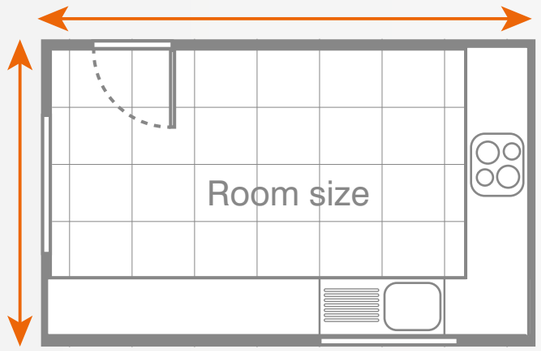
ELECTRIC UFH

TOP TIP

When measuring up for an electric underfloor heating system, care must be taken to correctly size the heat mat/cable as it must not be cut short.

1 MEASURING ROOM DIMENSIONS

Measure the length and width of your room.

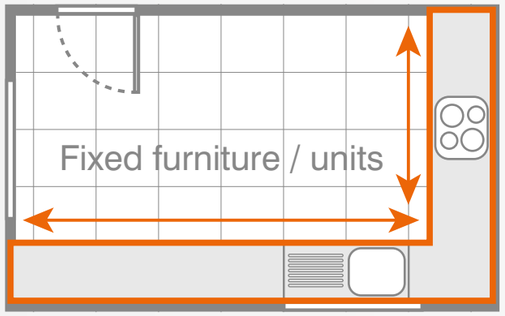


For example

Length (m2)		Width (m2)		Total room size (m2)
5.5	x	4.0	=	22.00

2 MEASURING UNHEATED AREAS

Measure any permanent / fixed furniture items as these will block the heated areas.

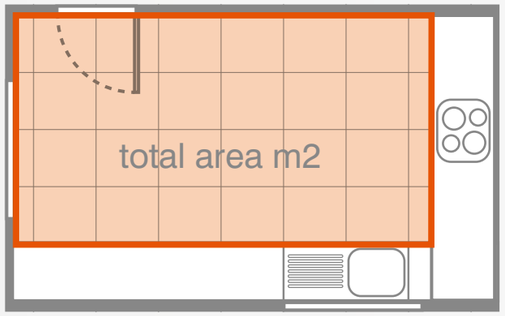


Fixture Length (m2)		Fixture Width (m2)
5.5	x	0.6
3.4	x	0.6

NB: Once you have deducted the furniture sizes from the total floor area you are left with the total heatable floor space. Deduct 10% from this figure to allow for a gap around the perimeter (and to prevent over measuring!!) this will give you the size of the kit, rounding down to the closest suitable kit size.

3 CALCULATING TOTAL HEAT AREA

Calculate approximately 10% less than the total heating area to allow for fitting.

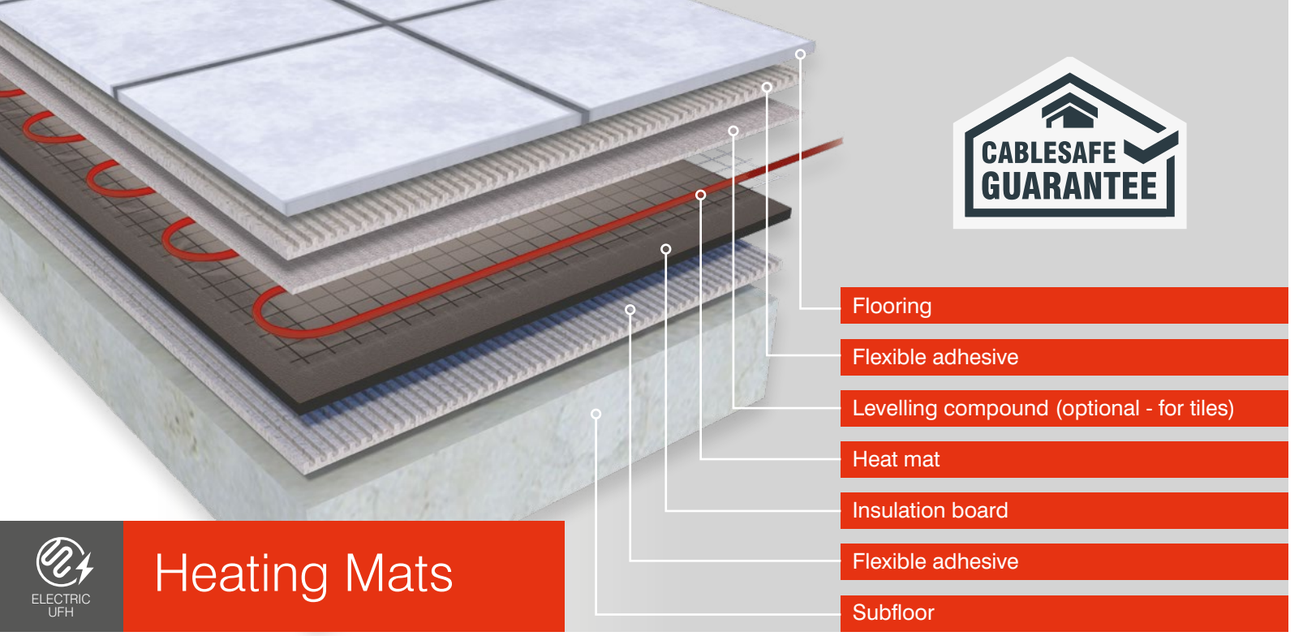


Space (m2)		Footprint (m2)		Total fitted area (10% deducted)
22.00	-	5.34	=	15.00 m2

This formula shows the basics you need to calculate a system for around 70 -80% of standard installations.

However if the customer is tiling under the bath or the kitchen units then you need to make sure you have enough insulation boards to cover this. This will help to maintain the same floor height. To calculate the number of insulation boards required, use the formula below.

Total tiled area + 10% wastage = insulation board area



ELECTRIC UFH

Heating Mats

Our ProWarm™ heating mats are simple and trouble free to install. They are suited to large regular shaped areas where their installation will be quicker than loose cable kits.

Our ProWarm™ 2mm mat is our most popular system. It uses exactly the same cable as the loose system except the cable spacing has already been predetermined in our factory. All you need to do is roll the sticky mat out over the floor, until it's used up. The cable can be removed from the mat to shape into any awkward spaces.

This system is ideal for kitchens, lounges, dining rooms and most other areas. It comes in 3 different power outputs, 100w-150w-200w. The mats are 500mm wide but can be cut and turned to suit most shapes, and range from 1m2 to 12m2.

Must be protected via an RCD

Floor Type Suitability

Tiles

Laminate /wood*

Vinyl/ carpet*

*Provided cable is covered in a minimum of 10mm self levelling

Installation video

Scan QR code to watch this installation video giving you step-by-step guidance for a successful installation.

Features & benefits

- Retro fit over existing floors
- Easy to install
- Ideal for large regular shape rooms
- Minimal effect in floor height
- Even heat distribution

Available in 3 power options for different scenarios i.e. tile warming or primary heating.

- 100 watt
- 150 watt
- 200 watt



CABLESAFE GUARANTEE

ProWarm™ electric underfloor heating systems include a Lifetime Warranty giving you total peace of mind.
See T&Cs at www.prowarm.com

TOP TIP

Please select a preferred thermostat option from page 49 for electric Underfloor heating installs.

100W MATS

100w mats provide a highly economical floor warming system and are used to cover larger areas. They are not suitable as a primary heating source, only to be used as secondary heating for under tiled floors.

Product code	Description
100W1MMATONLY	100w 1m² mat
100W1.5MMATONLY	100w 1.5m² mat
100W2MMATONLY	100w 2m² mat
100W2.5MMATONLY	100w 2.5m² mat
100W3MMATONLY	100w 3m² mat
100W3.5MMATONLY	100w 3.5m² mat
100W4MMATONLY	100w 4m² mat
100W4.5MMATONLY	100w 4.5m² mat

Product code	Description
100W5MMATONLY	100w 5m² mat
100W6MMATONLY	100w 6m² mat
100W7MMATONLY	100w 7m² mat
100W8MMATONLY	100w 8m² mat
100W9MMATONLY	100w 9m² mat
100W10MMATONLY	100w 10m² mat
100W11MMATONLY	100w 11m² mat
100W12MMATONLY	100w 12m² mat

150W MATS

150w mats can be used for most applications and are suitable for use as a primary heating source (providing adequate insulation is in place and sufficient floor area is covered)

Product code	Description
150W1MMATONLY	150w 1m² mat
150W1.5MMATONLY	150w 1.5m² mat
150W2MMATONLY	150w 2m² mat
150W2.5MMATONLY	150w 2.5m² mat
150W3MMATONLY	150w 3m² mat
150W3.5MMATONLY	150w 3.5m² mat
150W4MMATONLY	150w 4m² mat
150W4.5MMATONLY	150w 4.5m² mat

Product code	Description
150W5MMATONLY	150w 5m² mat
150W6MMATONLY	150w 6m² mat
150W7MMATONLY	150w 7m² mat
150W8MMATONLY	150w 8m² mat
150W9MMATONLY	150w 9m² mat
150W10MMATONLY	150w 10m² mat
150W11MMATONLY	150w 11m² mat
150W12MMATONLY	150w 12m² mat

200W MATS

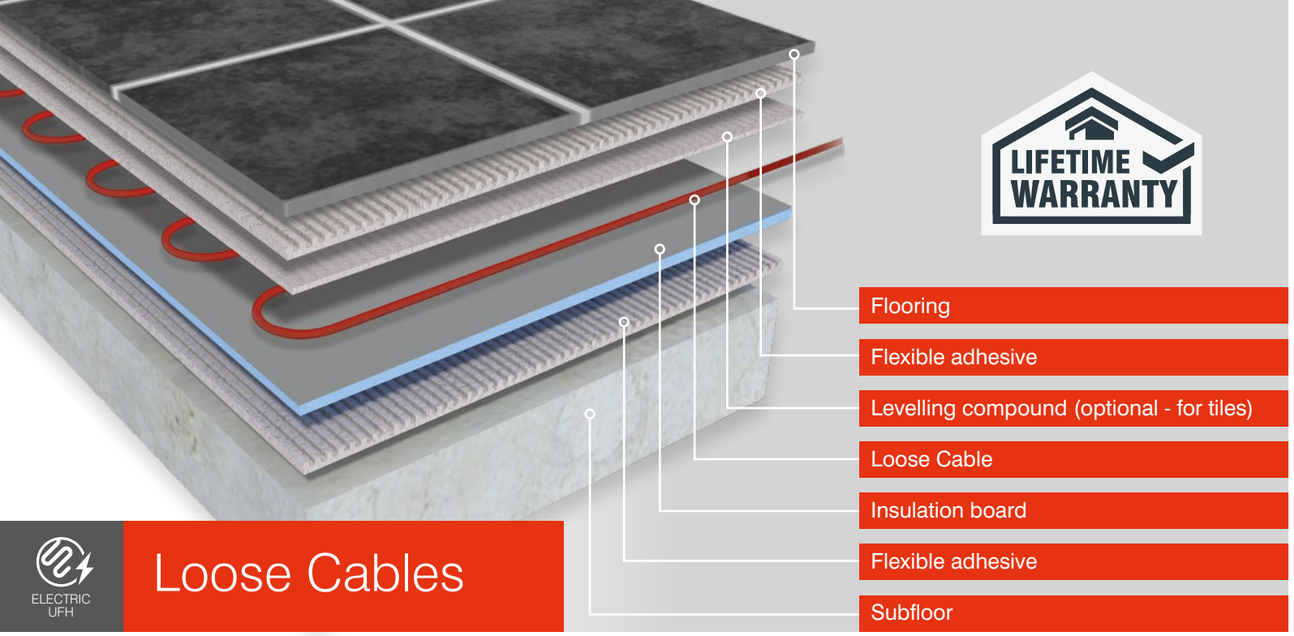
200w mats are normally used in areas of high heat loss such as conservatories. They provide a primary heat source (providing adequate insulation is in place)

Product code	Description
200W1MMATONLY	200w 1m² mat
200W1.5MMATONLY	200w 1.5m² mat
200W2MMATONLY	200w 2m² mat
200W2.5MMATONLY	200w 2.5m² mat
200W3MMATONLY	200w 3m² mat
200W3.5MMATONLY	200w 3.5m² mat
200W4MMATONLY	200w 4m² mat
200W4.5MMATONLY	200w 4.5m² mat

Product code	Description
200W5MMATONLY	200w 5m² mat
200W6MMATONLY	200w 6m² mat
200W7MMATONLY	200w 7m² mat
200W8MMATONLY	200w 8m² mat
200W9MMATONLY	200w 9m² mat
200W10MMATONLY	200w 10m² mat
200W11MMATONLY	200w 11m² mat
200W12MMATONLY	200w 12m² mat



Product code	Description
KITACCESSORIESUPTO6M	ProWarm Kit Accessories - Covers up to 6m²
KITACCESSORIESUPTO12M	ProWarm Kit Accessories - Covers up to 12m²



ELECTRIC UFH

Loose Cables

Our ProWarm™ loose cable systems are the ideal solution for those complicated floor areas where a mat is not suitable. Cables are rated at 10w per linear metre, this means the closer you space the cable the higher the output.

Our ProWarm™ 2mm Loose Cables are ideal for small bathrooms with awkward fixed objects to work around such as curved shower trays, toilets and basins.

Anything under 3m2 is normally suited to a loose wire system where there is furniture or sanitary ware in situ. The cable comes as one long continuous roll on a drum, which should be spaced out evenly over the floor. The benefit of it being loose means it can be adjusted to suit any awkward areas.

Must be protected via an RCD

Features & benefits

- Retro fit over existing floors
- Easy to install
- Ideal for small irregular shape rooms
- Minimal effect in floor height
- Even heat distribution

Cable spacing will affect power options for different scenarios i.e. tile warming or primary heating.

- 100 watt
- 150 watt
- 200 watt

Floor Type Suitability

Tiles

Laminate /wood*

Vinyl/ carpet*

*Provided cable is covered in a minimum of 10mm self levelling



Installation video

Scan QR code to watch this installation video giving you step-by-step guidance for a successful installation.

CABLESAFE GUARANTEE

ProWarm™ electric underfloor heating systems include a CableSafe Guarantee. Should you cut the cable on installation, a replacement will be supplied free of charge. See T&Cs at www.prowarm.com

- Space at 10cm apart for output of 100w/m2 - Tile warming and secondary heating.
- Space at 6.5cm apart for output of 150w/m2 - Suitable primary heating source for most areas.
- Space at 5cm apart for output of 200w/m2 - Conservatories and high heat loss areas.

Product code	Description
LOOSECABLEONLY0.9	150w Loose Cable - Covers 0.75m²
LOOSECABLEONLY1.1	150w Loose Cable - Covers 0.9m²
LOOSECABLEONLY1.3	150w Loose Cable - Covers 1.1m²
LOOSECABLEONLY1.7	150w Loose Cable - Covers 1.5m²
LOOSECABLEONLY2.2	150w Loose Cable - Covers 1.9m²
LOOSECABLEONLY2.7	150w Loose Cable - Covers 2.3m²
LOOSECABLEONLY3.1	150w Loose Cable - Covers 2.7m²
LOOSECABLEONLY3.7	150w Loose Cable - Covers 3.2m²
LOOSECABLEONLY4.3	150w Loose Cable - Covers 3.7m²
LOOSECABLEONLY5	150w Loose Cable - Covers 4.2m²

Product code	Description
LOOSECABLEONLY5.4	150w Loose Cable - Covers 4.6m²
LOOSECABLEONLY5.8	150w Loose Cable - Covers 5m²
LOOSECABLEONLY6.3	150w Loose Cable - Covers 5.4m²
LOOSECABLEONLY6.9	150w Loose Cable - Covers 6m²
LOOSECABLEONLY8	150w Loose Cable - Covers 6.9m²
LOOSECABLEONLY8.8	150w Loose Cable - Covers 7.6m²
LOOSECABLEONLY9.6	150w Loose Cable - Covers 8.3m²
LOOSECABLEONLY11.2	150w Loose Cable - Covers 9.6m²
LOOSECABLEONLY12.3	150w Loose Cable - Covers 10.6m²
LOOSECABLEONLY13.8	150w Loose Cable - Covers 12m²

- It is best to order slightly less than you need than have too much cable as the cables CAN NOT be cut or shortened in any way.
- Loose cable systems are the ideal solution for those complicated floor areas where a mat is not suitable. Systems are rated at 10w per linear metre, this means the closer you space the cable the higher the output. Cables are 10w per linear metre.

Product code	Description
KITACCESSORIESUPTO6M	ProWarm Kit Accessories - Covers up to 6m²
KITACCESSORIESUPTO12M	ProWarm Kit Accessories - Covers up to 12m²



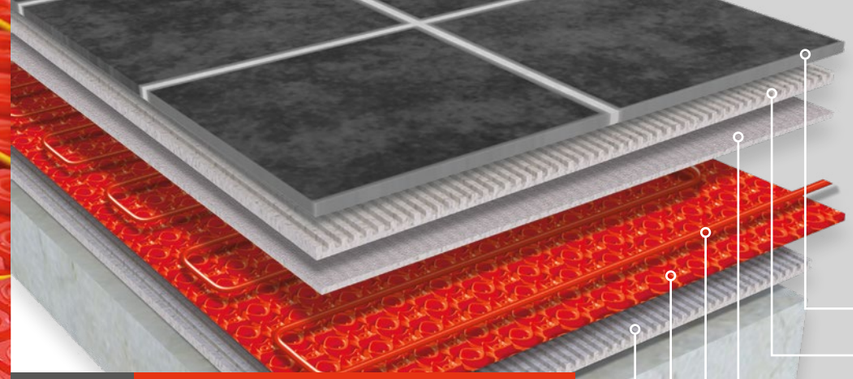
TOP TIP

Planning a wetroom? Check out our ProWarm™ Wetroom range of 30mm trays and drains.
See page 48

TOP TIP

Please select a preferred thermostat option from **page 49** for electric Underfloor heating installs.

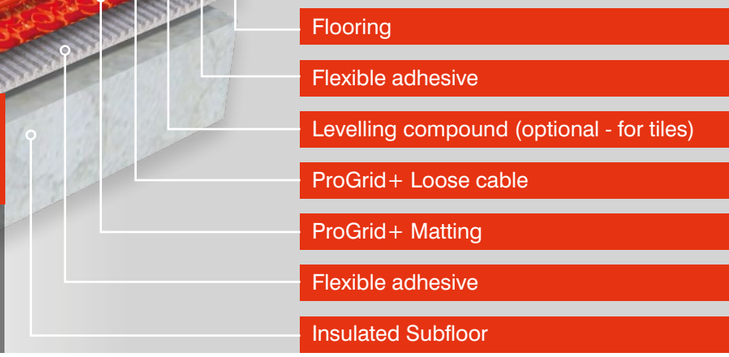
proGrid+



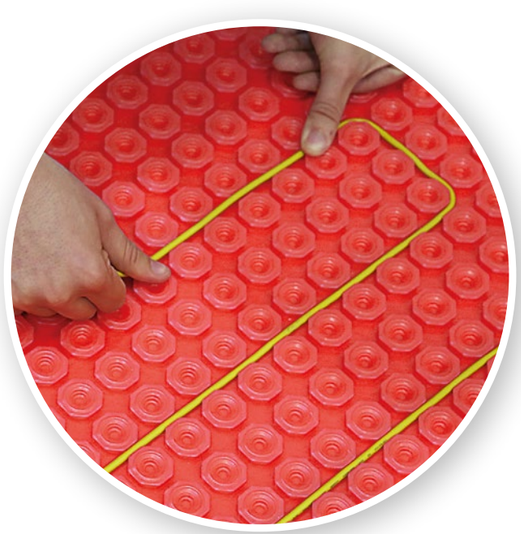
ELECTRIC UFH

ProGrid+

The ProWarm™ ProGrid+ matting and cable system is designed to make the installation of loose laid electric underfloor heating cable more efficient and less time consuming. The pre-spaced matting grid makes the installation easy and quick.



EASY FIT PRE-SPACED LOOSE CABLE SYSTEM



- Anti-fracture decoupling matting
- Quick and easy to install
- Pre-spaced grid system, ideal for multiple heat outputs
- Easy to cut in awkward areas
- No specialist tools required



Installation video

Scan QR code to watch this installation video giving you step-by-step guidance for a successful installation.

CABLESAFE GUARANTEE

LIFETIME WARRANTY

The innovate grid system allows for the cable to be placed within the grooves and the pre-spaced design enables the user to install with the desired heat output per m2 without any additional need for tape or fixings.

The ProGrid+ matting acts as housing for the cable and a decoupling membrane which prevents reflective cracking caused by shrinkage cracks, board joints and lateral movement

ProWarm™ Electric Underfloor Heating cable kits provide a reliable and effective underfloor heating system that can work with tiles and many other floor coverings (installation methods differ, please call us for advice).

Must be protected via an RCD

Product code	Description
PROGRIDCABLEONLY1.0	150w ProGrid+ Cable - Covers 1m²
PROGRIDCABLEONLY1.5	150w ProGrid+ Cable - Covers 1.5m²
PROGRIDCABLEONLY2.0	150w ProGrid+ Cable - Covers 2m²
PROGRIDCABLEONLY2.5	150w ProGrid+ Cable - Covers 2.5m²
PROGRIDCABLEONLY3.0	150w ProGrid+ Cable - Covers 3m²
PROGRIDCABLEONLY3.5	150w ProGrid+ Cable - Covers 3.5m²
PROGRIDCABLEONLY4.0	150w ProGrid+ Cable - Covers 4m²
PROGRIDCABLEONLY4.5	150w ProGrid+ Cable - Covers 4.5m²
PROGRIDCABLEONLY5.0	150w ProGrid+ Cable - Covers 5m²
PROGRIDCABLEONLY6.0	150w ProGrid+ Cable - Covers 6m²
PROGRIDCABLEONLY7.0	150w ProGrid+ Cable - Covers 7m²
PROGRIDCABLEONLY8.0	150w ProGrid+ Cable - Covers 8m²
PROGRIDCABLEONLY9.0	150w ProGrid+ Cable - Covers 9m²
PROGRIDCABLEONLY10.0	150w ProGrid+ Cable - Covers 10m²
PROGRIDCABLEONLY12.0	150w ProGrid+ Cable - Covers 12m²
PROGRIDCABLEONLY14.0	150w ProGrid+ Cable - Covers 14m²
PROGRIDCABLEONLY16.0	150w ProGrid+ Cable - Covers 16m²
PROGRIDMAT1M	ProGrid+ Matting - 1m² Sheet
PROGRIDMAT15M	ProGrid+ Matting - 15m² Roll

Features & benefits

- Pre-space grid system
- Quick & easy to install
- Retro fit over existing floors
- Ideal for irregular shaped rooms
- Even heat distribution
- Decoupling membrane floor protection

Floor Type Suitability

Tiles

Laminate /wood*

Vinyl/ carpet*

*Provided cable is covered in a minimum of 10mm self levelling

TOP TIP

Please select a preferred thermostat option from **page 49** for electric Underfloor heating installs.



ELECTRIC UFH

Foil Heating Mats

With the huge increase in popularity, wooden floors are fast becoming the biggest selling type of flooring in the UK, but they sometimes seem cold or uninviting. Thanks to our system, this is no longer the case.

Our superior range of ProWarm™ state-of-the art foil heating mats are for use beneath laminate/engineered and most floating hardwood floors. These heating mats must be used in conjunction with our XPS insulation boards instead of standard underlay, designed to produce a heat output of 150w per m2.

Our aluminium foil mats are all designed to be cut and turned on site to fit the shape of your room.

Features & benefits

- Retro fit over existing floors
- Easy to install
- Ideal for large regular shape rooms
- Minimal effect in floor height
- Even heat distribution

Power output 150 watt

Floor Type Suitability

Laminate /wood

Vinyl/ carpet*

*MUST be used with Heat-Pak dual overlay

Wood Floors

Carpet / Vinyl

Installation video

Scan QR code to watch this installation video giving you step-by-step guidance for a successful installation.



TOP TIP Please select a preferred thermostat option from **page 49** for electric Underfloor heating installs.

TOP TIP A Dual overlay Heat-Pak system MUST be used with carpet or vinyl floor coverings

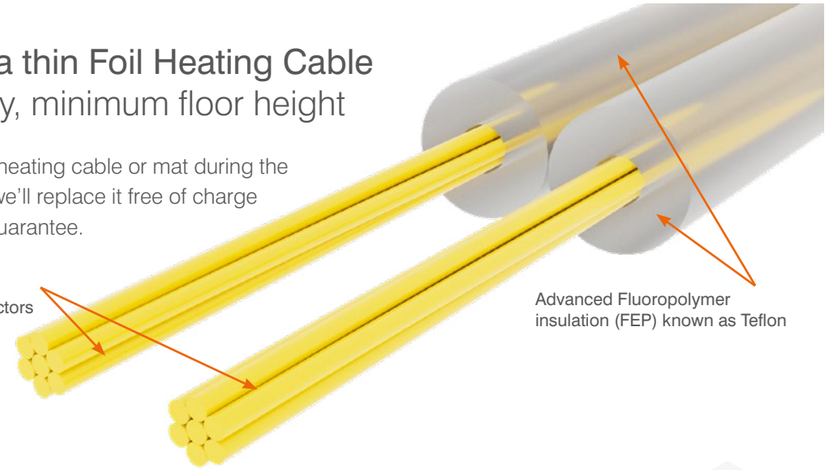
- Designed for use with engineered, laminate and most solid wood floating floors.
- Either 1 or 2 Electric 230v underfloor heating mats depending on size of kit, all mats are 500mm wide and are rated at 150w per m2.
- It is best to order slightly less than you need than have too much mat as the cables CAN NOT be cut or shortened in any way.

Product code	Description
WOOD1MMATONLY	150w Underwood 1m² mat
WOOD1.5MMATONLY	150w Underwood 1.5m² mat
WOOD2MMATONLY	150w Underwood 2m² mat
WOOD2.5MMATONLY	150w Underwood 2.5m² mat
WOOD3MMATONLY	150w Underwood 3m² mat
WOOD3.5MMATONLY	150w Underwood 3.5m² mat
WOOD4MMATONLY	150w Underwood 4m² mat
WOOD4.5MMATONLY	150w Underwood 4.5m² mat

Product code	Description
WOOD5MMATONLY	150w Underwood 5m² mat
WOOD6MMATONLY	150w Underwood 6m² mat
WOOD7MMATONLY	150w Underwood 7m² mat
WOOD8MMATONLY	150w Underwood 8m² mat
WOOD9MMATONLY	150w Underwood 9m² mat
WOOD10MMATONLY	150w Underwood 10m² mat
WOOD11MMATONLY	150w Underwood 11m² mat
WOOD12MMATONLY	150w Underwood 12m² mat

ProWarm™ ultra thin Foil Heating Cable
Maximum quality, minimum floor height

Damage your underfloor heating cable or mat during the installation process and we'll replace it free of charge under our CableSafe™ Guarantee.



UKCA DVE GS CE APPROVED CABLESAFE GUARANTEE

- ULTRA THIN CABLE
- ONLY 2MM THICK
- MINIMUM FLOOR HEIGHT
- PEACE OF MIND WARRANTY

Product code	Description
HP2.8M	Heat-Pak Dual Overlay - Covers 2.8m²

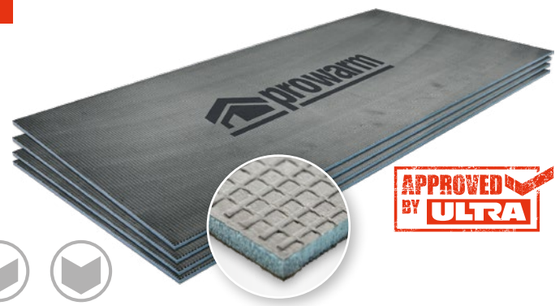


Insulation

BACKER PRO

Our ProWarm™ Premium Backer-Pro boards are the professional choice for use with our under tile heating cables and mats (not suitable for our underwood systems).

Various thickness sizes available:



Dimensions:

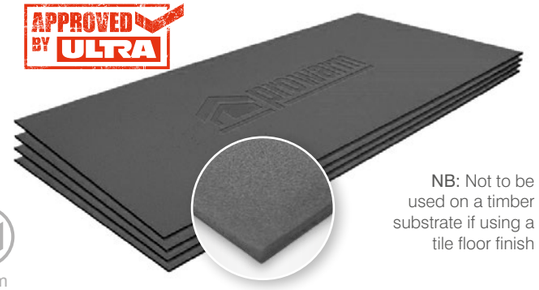
1200mm x 600mm x 6mm | 10mm | 12.5mm | 20mm | 30mm | 50mm

Product code	Description
6MMTILEBACKER	6mm TileBacker-Pro Insulation Board (1200mm x 600mm x 6mm)
10MMTILEBACKER	10mm TileBacker-Pro Insulation Board (1200mm x 600mm x 10mm)
12.5MMTILEBACKER	12.5mm TileBacker-Pro Insulation Board (1200mm x 600mm x 12.5mm)
20MMTILEBACKER	20mm TileBacker-Pro Insulation Board (1200mm x 600mm x 20mm)
30MMTILEBACKER	30mmTileBacker-Pro Insulation Board (1200mm x 600mm x 30mm)
50MMTILEBACKER	50mm TileBacker-Pro Insulation Board (1200mm x 600mm x 50mm)

XP-PRO

Our ProWarm™ XP-PRO Premium boards are the professional choice for use under tile heating cables, mats and underwood systems, offering a balance between cost and durability.

Various thickness sizes available:



NB: Not to be used on a timber substrate if using a tile floor finish

Dimensions:

1200mm x 600mm x 6mm | 10mm | 20mm | 30mm | 50mm

Product code	Description
XPSPREMIUM6MM	6mm XP-PRO Insulation Board (1200mm x 600mm x 6mm)
XPSPREMIUM10MM	10mm XP-PRO Insulation Board (1200mm x 600mm x 10mm)
XPSPREMIUM20MM	20mm XP-PRO Insulation Board (1200mm x 600mm x 20mm)
XPSPREMIUM30MM	30mm XP-PRO Insulation Board (1200mm x 600mm x 30mm)
XPSPREMIUM50MM	50mm XP-PRO Insulation Board (1200mm x 600mm x 50mm)

ProFoam™

Our economy insulation board is specifically designed for use with our underwood heating and carpet heating mat systems, it can also be used as a wooden floor underlay.

One size available:



Dimensions:

850mm x 600mm x 6mm

Product code	Description
XPSSTANDARD10	ProFoam EPS Underlay Insulation Board (20 Pack - Covers 10m²)

Temperature Controls

PRODIGITAL Digital Thermostat

- Energy Saving Optimum Start
- Touch Key Design
- Cool White Back Light
- Key Lock Function
- Holiday Programming
- Air & Floor Temperature Sensors
- Lifetime Warranty



PROTOUCH Smart Thermostat

- WiFi Control
- Double Temperature Control
- Programmable
- Large Screen
- Professional Design
- Lifetime Warranty



PROTOUCH WIFI THERMOSTAT

- WiFi Control
- Double Temperature Control
- Programmable
- XL Screen
- Professional Design
- Lifetime Warranty



Product code	Description
TR3100STANDARD	ProDigital Thermostat - White
PROTOUCHWIFIWHITE	ProTouch-E WiFi Smart Thermostat - White
PROTOUCHWIFIBLACK	ProTouch-E WiFi Smart Thermostat - Black
WIFI-TOUCHWHITEV2	ProTouch WiFi Thermostat - White
WIFI-TOUCHBLACKV2	ProTouch WiFi Thermostat - Black



Wetroom Shower trays

pro tray
Wetrooms by prowarm



30mm Wetroom Shower Trays

ProWarm™ Wet Room Shower Tray is the perfect shower tray to install in a new wet room.

The wet room tray is lightweight, and can be cut easily using a fine tooth hand saw, the tray is designed to accept most tiles including porcelain, stone and ceramic tiles.

These wet room trays are not suitable for use with Vinyl or Altro resin floor coverings.



- Suitable for Underfloor Heating
- Best Thermal Properties
- Glass fibre reinforcement
- Lightweight XPS construction
- Can be trimmed easily
- 10 Year Warranty
- Suitable for tiles only NOT vinyl
- Available drain options

Installation video

Scan QR code to watch this installation video giving you step-by-step guidance for a successful installation.


Square Drain Standard

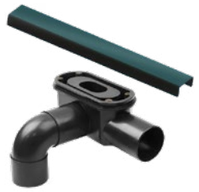

Square Drain Stainless Steel Grate


Square Drain Tileable cover


Linear Drain Stainless Steel


Linear Drain Tileable cover


Linear Drain Matte Black


Linear Drain Anthracite

Linear drains are also available in **600mm**





Wetroom Codes

Product code	Description
CENTREDRAIN800X800	Centre drain wet room shower tray (800 x 800 x 30mm)
CENTREDRAIN900X900	Centre drain wet room shower tray (900 x 900 x 30mm)
CENTREDRAIN1000X1000	Centre drain wet room shower tray (1000 x 1000 x 30mm)
CENTREDRAIN1200X1200	Centre drain wet room shower tray (1200 x 1200 x 30mm)
CENTREDRAIN1200X900	Centre drain wet room shower tray (1200 x 900 x 30mm)
CENTREDRAIN1500X800	Centre drain wet room shower tray (1500 x 800 x 30mm)
CENTREDRAIN1600X900	Centre drain wet room shower tray (1600 x 900 x 30mm)
CENTREDRAIN1850X900	Centre drain wet room shower tray (1850 x 900 x 30mm)
CORNERDRAIN800X800	Corner drain wet room shower tray (800 x 800 x 30mm)
CORNERDRAIN900X900	Corner drain wet room shower tray (900 x 900 x 30mm)
CORNERDRAIN1000X1000	Corner drain wet room shower tray (1000 x 1000 x 30mm)
CORNERDRAIN1200X1200	Corner drain wet room shower tray (1200 x 1200 x 30mm)
ENDDRAIN1200X900	End drain wet room shower tray (1200 x 900 x 30mm)
ENDDRAIN1500X800	End drain wet room shower tray (1500 x 800 x 30mm)
ENDDRAIN1600X900	End drain wet room shower tray (1600 x 900 x 30mm)
LINEARCENTREDRAIN900X900	Linear Centre drain wet room shower tray (900 x 900 x 30mm)
LINEARCENTREDRAIN1200X900	Linear Centre drain wet room shower tray (1200 x 900 x 30mm)
LINEARCENTREDRAIN1400X900	Linear Centre drain wet room shower tray (1400 x 900 x 30mm)
LINEARCENTREDRAIN1600X900	Linear Centre drain wet room shower tray (1600 x 900 x 30mm)
LINEARENDDRAIN900X900	Linear End drain wet room shower tray (900 x 900 x 30mm)
LINEARENDDRAIN1200X900	Linear End drain wet room shower tray (1200 x 900 x 30mm)
LINEARENDDRAIN1400X900	Linear End drain wet room shower tray (1400 x 900 x 30mm)
LINEARENDDRAIN1600X900	Linear End drain wet room shower tray (1600 x 900 x 30mm)
STANDARDHORIZONTALDRAIN	Standard Drain With Standard Cover
STANDARDDRAINSTAINLESS	Standard Drain With Stainless Steel Cover
STANDARDDRAINTILEABLE	Standard Drain With Tileable Cover
LINEARDRAINSTAINLESS	Linear Drain With Stainless Steel Cover
LINEARDRAINTILEABLE	Linear Drain With Tileable Cover
WETROOMINSTALLKIT	Wet Room Installation Kit
5MWATERPROOFTAPE	Waterproof Tape (5m)
10MWATERPROOFTAPE	Waterproof Tape (10m)
EXTERNALCORNER	Waterproof External Corner
INTERNALCORNER	Waterproof Internal Corner
TAPESEALING0.5L	Tape Sealing Compound (0.5L)
TAPESEALING1L	Tape Sealing Compound (1L)

Product code	Description
600-LINEARENDDRAIN900X900	LINEAR 600 END drain wet room shower tray (900 x 900 x 30mm)
600-LINEARENDDRAIN1200X900	LINEAR 600 END drain wet room shower tray (1200 x 900 x 30mm)
600-LINEARENDDRAIN1200X1200	LINEAR 600 END drain wet room shower tray (1200 x 1200 x 30mm)
600-LINEARENDDRAIN1400X900	LINEAR 600 END drain wet room shower tray (1400 x 900 x 30mm)
600-LINEARENDDRAIN1600X900	LINEAR 600 END drain wet room shower tray (1600 x 900 x 30mm)
600-LINEARDRAINSTAINLESS	Wet Room Linear 600 Drain and stainless steel cover
600-LINEARDRAINTILEABLE	Wet Room Linear 600 Drain and Tileable cover
600-LINEARDRAINBLACK	Wet Room Linear 600 Drain and Matt Black cover
600-LINEARDRAINANTHRACITE	Wet Room Linear 600 Drain and Anthracite cover
LINEARDRAINANTHRACITE	Wet Room Linear 300 Drain and Anthracite cover
LINEARDRAINBLACK	Wet Room Linear 300 Drain and Matt Black cover
INFINITY700LEFT1200X950	Infinity Single Fall Shower Tray 1200x950 Left Hand - needs 700 trap
INFINITY700RIGHT1200X950	Infinity Single Fall Shower Tray 1200x950 Right Hand - needs 700 trap
INFINITY700LEFT1400X950	Infinity Single Fall Shower Tray 1400x950 Left Hand - needs 700 trap
INFINITY700RIGHT1400X950	Infinity Single Fall Shower Tray 1400x950 Right Hand - needs 700 trap
INFINITY700-INSTALLKIT	Infinity 700 Tray Install & Drainage Kit including trap
INFINITY700DRAINSTAINLESS	Infinity 700 Stainless Steel Trap cover
INFINITY700DRAINTILEABLE	Infinity 700 Tileable Trap Cover
INFINITY700DRAINBLACK	Infinity 700 Matt Black Trap Cover
INFINITY1000LEFT1200X1250	Infinity Single Fall Shower Tray 1200x1250 Left Hand - needs 1000 trap
INFINITY1000RIGHT1200X1250	Infinity Single Fall Shower Tray 1200x1250 Right Hand - needs 1000 trap
INFINITY1000-INSTALLKIT	Infinity 1000 Tray Install & Drainage Kit including trap
INFINITY1000DRAINTILEABLE	Infinity 1000 Tileable Trap Cover
INFINITY1000DRAINSTAINLESS	Infinity 1000 Stainless Steel Trap Cover
INFINITY1000DRAINBLACK	Infinity 1000 Matt Black Trap Cover
WETROOM-NICHE350X240X180	Recessed Storage Unit 350x240x180
WETROOM-NICHE350X350X180	Recessed Storage Unit 350x350x180
WETROOM-NICHE420X350X180	Recessed Storage Unit 420x350x180
WETROOM-NICHE500X800X180	Recessed Storage Unit 500x800x180
WETROOM-NICHE1600X350X180	Recessed Storage Unit 1600x350x180



Tape Sealing



Waterproof Tape



Waterproof Corners

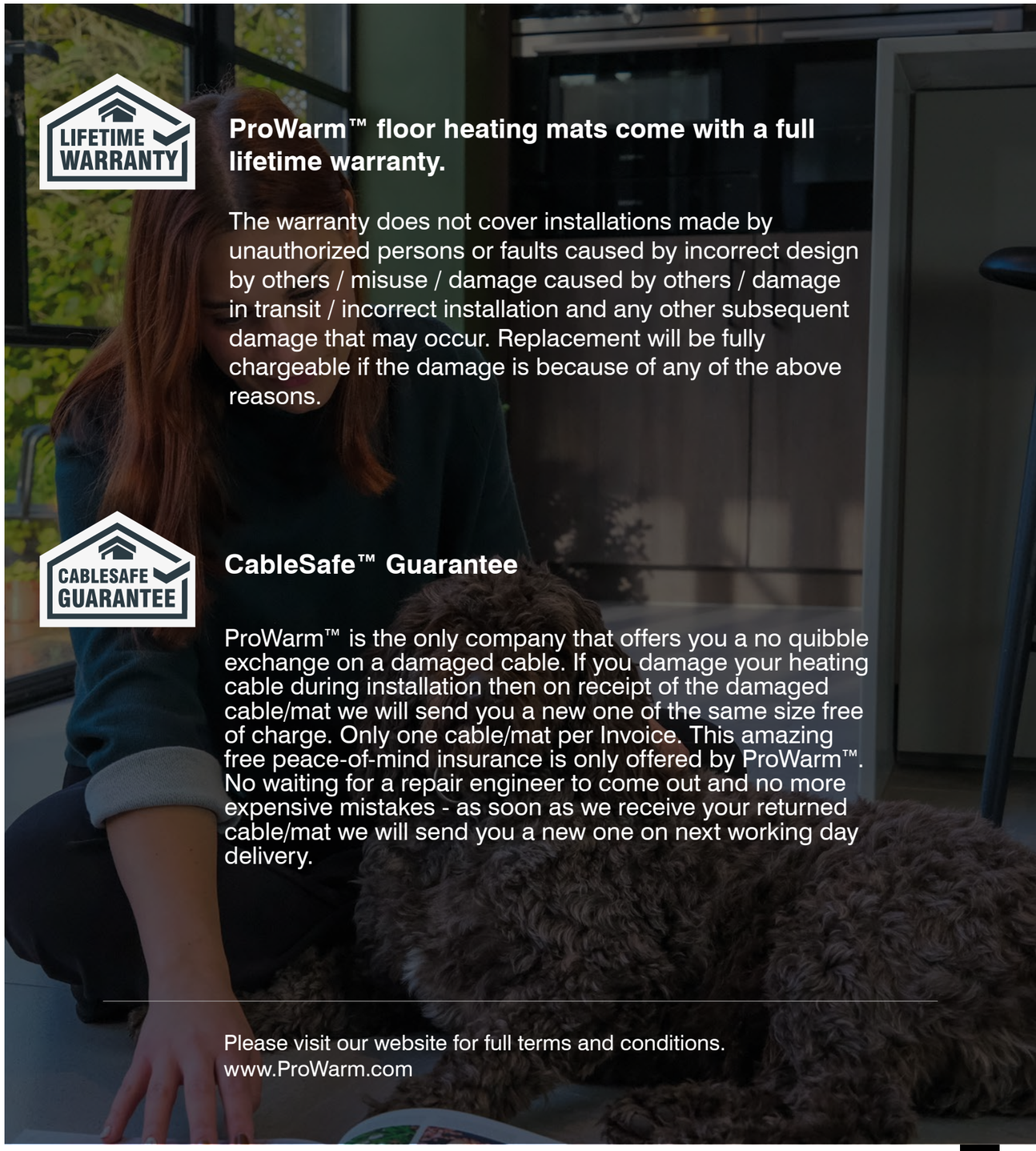


Installation Kit

- 5m waterproofing tape
- 2 x Internal Corners
- Tape sealing compound 0.5L
- 5kg KST flexible tile adhesive
- Wood floor Primer
- Paint Brush

Supplied in a plastic bucket which can be used for mixing

Total peace of mind...



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Project Notes

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