

EVERY SYSTEM  
FOR EVERY PROJECT



[ambienteufh.co.uk](http://ambienteufh.co.uk) **UFH**  
**SYSTEMS**

**ambiente**<sup>®</sup>

more than underfloor

# System Overview

	System	Height (mm)	Weight (kg/m <sup>2</sup> )	Output (w/m <sup>2</sup> )	Page
SCREEDED	<b>AmbiTak</b>	65	95*	132	4
	<b>AmbiClip</b>	65	95*	132	5
	<b>AmbiCastellated/Pro</b>	65	95*	132	6
	<b>AmbiSolo<sup>®</sup> 16</b>	22	32*	132	7
LOW-PROFILE	<b>AmbiSolo<sup>®</sup></b>	18	32*	135	8
	<b>OverDeck<sup>®</sup> 20</b>	20	1.8**	98	9
	<b>AmbiDeck<sup>®</sup> 20 Pro</b>	20	15**	120	10
	<b>AmbiDeck<sup>®</sup> 18</b>	18	13**	79	12
	<b>AmbiSoundDeck<sup>®</sup></b>	18	13**	79	13
SUSPENDED	<b>OverPlate<sup>®</sup></b>	0	3***	53	14
	<b>UnderPlate<sup>®</sup></b>	0	3***	70	15
	<b>JoFloor<sup>®</sup> 28</b>	28	22**	107	16
	<b>LoFloor<sup>®</sup> 18</b>	18	10.8**	106	17

20 degrees celsius room temperature at MWT of 45°C and 0 Tog

\* Includes UFH and Screed, Excludes Insulation

\*\* Includes board and pipe

\*\*\* Includes plate and pipe

# Ambiente has been trading for over 20 years and specialises in the design, manufacture and supply of hydronic underfloor heating systems.

As the popularity of underfloor heating has grown, we have added and developed many new products and systems to stay at the forefront of the market. We are different from many of our competitors, in that we focus solely on underfloor heating – this gives you the assurance that your system will perform to the highest standard and that your enquiry will be treated with the highest level of care and attention.

We believe in the importance of supporting our customers throughout the project process – right from initial design and product specification, through to project delivery and after-sales support, our team

are on hand to offer realistic and helpful guidance to all parties involved. We pride ourselves in a wealth of industry knowledge and experience, enabling us to advise on the very best underfloor heating system for your project. Our wide range of systems includes options for nearly every floor construction and we can cater for many client preferences such as the ability to control the heating from a smartphone.

With the Part L regulation changes and the increased use of ASHP's, we are here to advise and assist you with the supply of wet underfloor heating.

## WHY OUR CLIENTS CHOOSE AMBIENTE



LIFETIME PIPEWORK WARRANTY



ONGOING PRODUCT DEVELOPMENT



GET YOUR GOODS QUICKER



EXCEPTIONAL CUSTOMER SERVICE



QUOTES WHEN YOU NEED THEM



SPEAK WITH THE EXPERTS



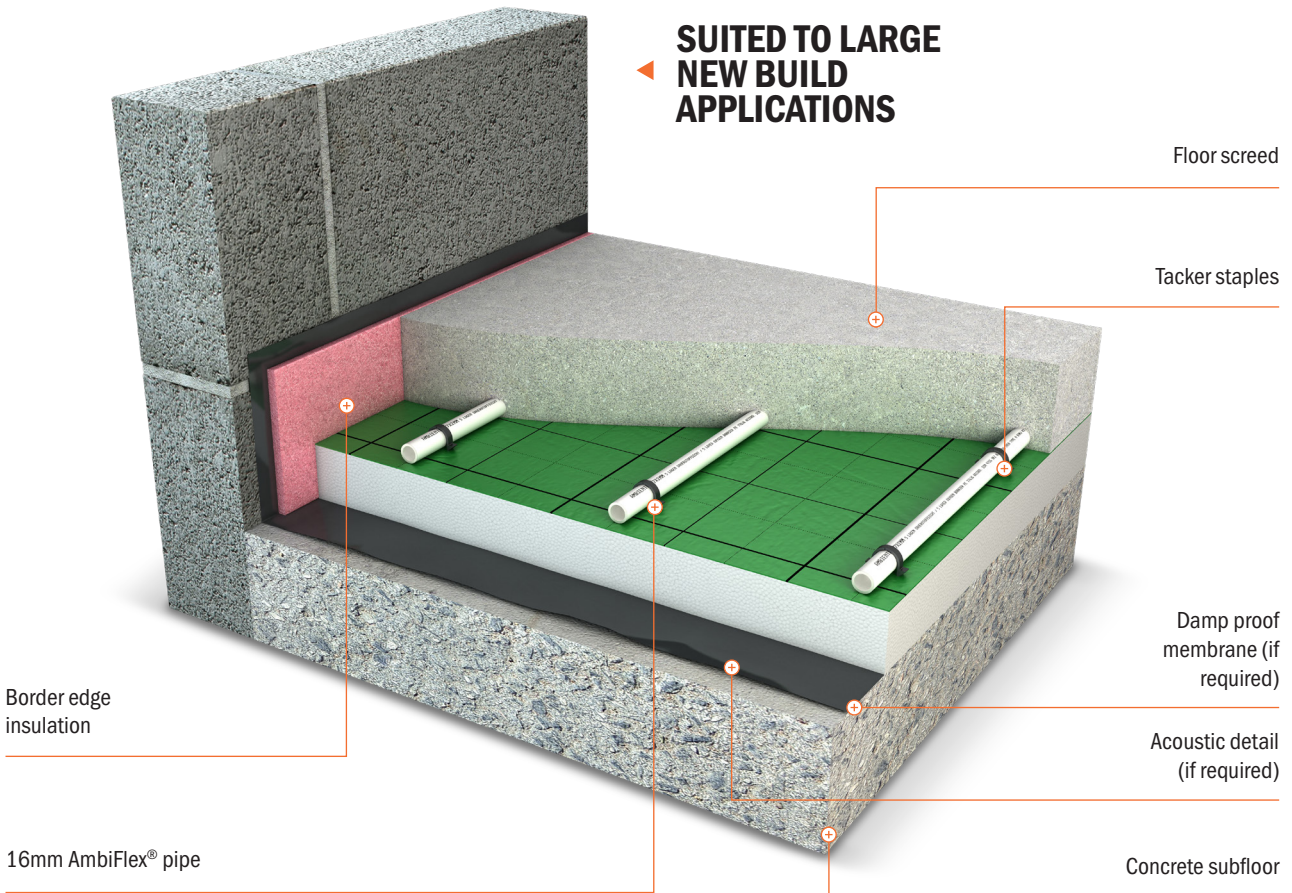
THE AMBIPAK SOLUTION



PERSONAL ACCOUNT MANAGEMENT

# AMBITAK

The AmbiTak system is quick and flexible, providing an even and effective form of heating within a screeded floor build-up.



Speed of installation



Custom pipe spacings



Snail pipe pattern



Heatpump ready

## SCREEDED SYSTEM OVERVIEW

The AmbiTak is a quick and flexible system, providing an even and effective form of heating within a screeded floor build-up. UFH pipework is typically clipped to a floor insulation (25mm minimum), at the correct pipe spacing.

Pipe staples are fed from a specialist tool through the separating layer and into the insulation – the staples are barbed to give a good fixing that will withstand the flex of the pipe. We recommend that the screeding process is scheduled to follow shortly after installation to avoid leaving the system vulnerable to damage. If a liquid screed is used, the separating layer must be sealed to provide a watertight base.

### PERFORMANCE SPECIFICATION

20°C ROOM TEMPERATURE AT MWT OF 45°C AND 0 TOG

HEIGHT (MM)	WEIGHT (KG/M <sup>2</sup> )	OUTPUT (W/M <sup>2</sup> )
<b>65</b>	<b>95</b>	<b>132*</b>

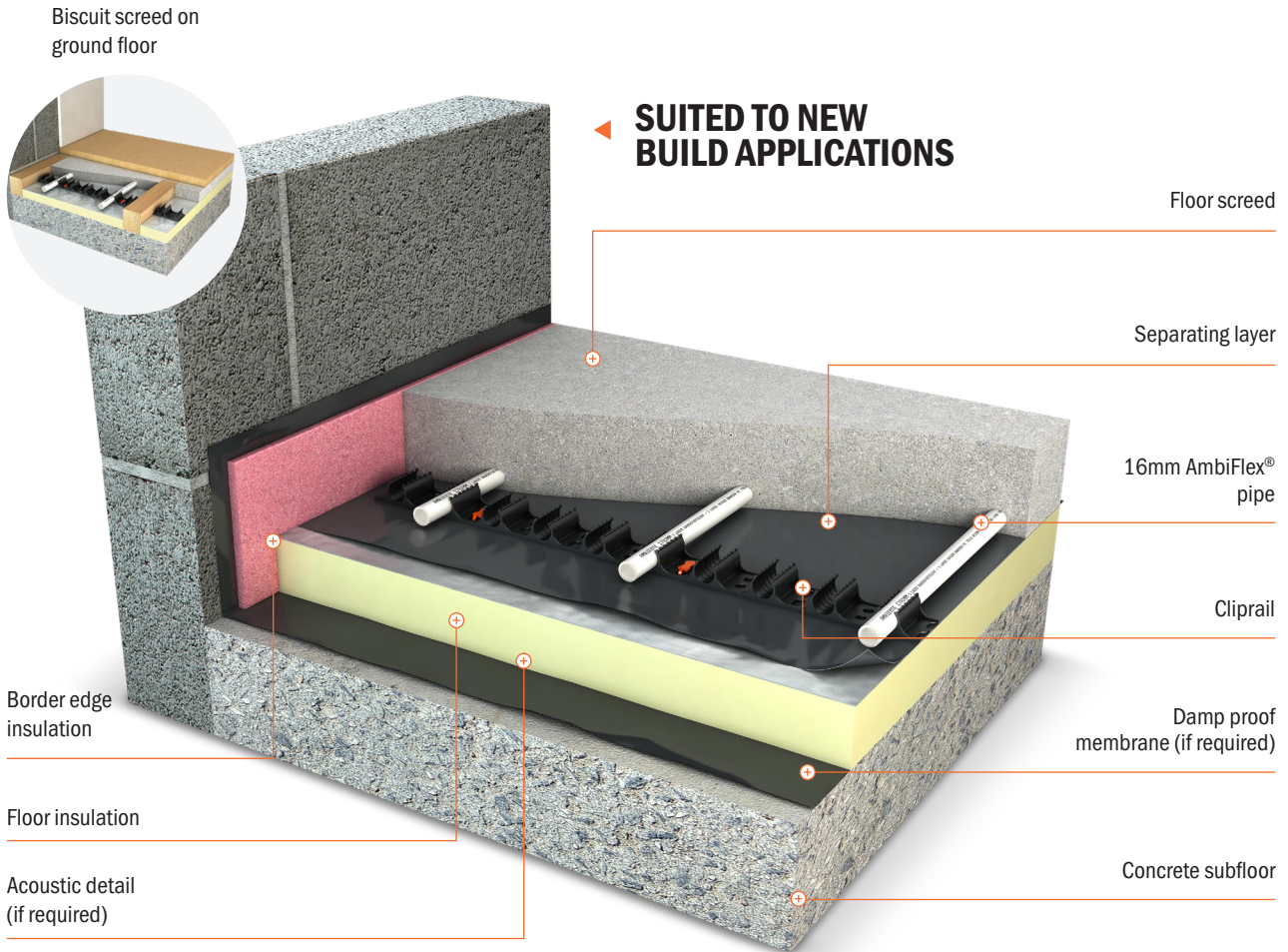
\*200mm pipe spacings



Scan to read more about the system.

# AMBICLIP

The AmbiClip system is one of the most common underfloor heating systems providing a quick, flexible and effective form of heating within a screeded floor build-up.



Speed of installation

50MM

Pipe spacing in 50mm increments



High output



Heatpump ready

## SCREEDED SYSTEM OVERVIEW

Edge and floor insulation is installed over the subfloor on to which cliprails are then fixed to by both the adhesive backing strip and barbed staples. Once the cliprails are secured in position, the underfloor heating pipework is laid in continuous loops and clipped down in accordance with the underfloor heating design drawings. Once complete, the system is pressure tested with either air or water to check for any leaks - either due to damage to pipework, or a loose connection at the manifold.

Minimum thickness of floor insulation to be 25mm or if no insulation the Cliprails will need to be screwed to the sub floor. If a liquid screed is being used, the insulation must first be sealed to provide a watertight base.

### PERFORMANCE SPECIFICATION

20°C ROOM TEMPERATURE AT MWT OF 45°C AND 0 TOG

HEIGHT (MM)	WEIGHT (KG/M <sup>2</sup> )	OUTPUT (W/M <sup>2</sup> )
<b>65</b>	<b>95</b>	<b>132*</b>

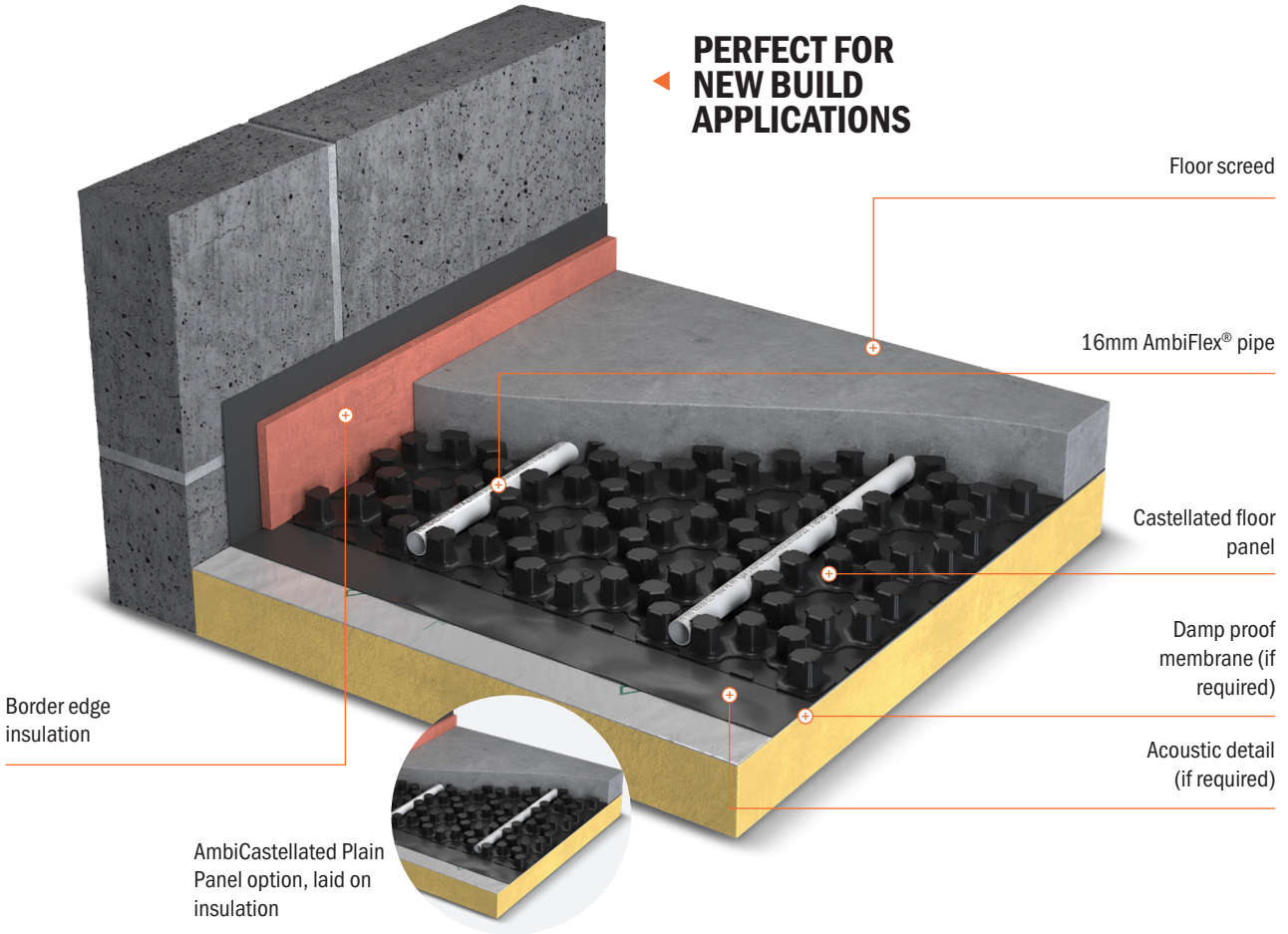
\*200mm pipe spacings



Scan to read more about the system.

# AMBICASTELLATED/PRO

The AmbiCastellated system is an alternative method of incorporating UFH into a screeded floor, offering a flexible and neat installation method within the pre-formed plastic panels.



Protects pipework while screeding

Pipe centres every 50mm

Multi directional pipe pattern

Heatpump ready

## SCREEDED SYSTEM OVERVIEW

The panel is a moulded plastic panel, with an overall depth of 20mm - the 'castles' are spaced at 50mm intervals to provide a consistent fixing point and enabling a fast and neat pipework installation. Panels can be supplied plain, or with a self-adhesive backing (Pro).

The castellated system has two further benefits over a traditional clip system:

- ⊕ The plastic panels act as a separating layer, meaning that additional separation layer is not necessary.
- ⊕ The castles protect the pipework prior to screeding - especially important if screeding is a while after initial installation (of course we always recommend that screeding takes place ASAP after installation).

PERFORMANCE SPECIFICATION		
20°C ROOM TEMPERATURE AT MWT OF 45°C AND 0 TOG		
HEIGHT (MM)	WEIGHT (KG/M <sup>2</sup> )	OUTPUT (W/M <sup>2</sup> )
<b>65</b>	<b>95</b>	<b>132*</b>

*\*200mm pipe spacings*



Scan to read more about the system.

# AMBISOLO® 16

The AmbiSolo® 16 is a low-profile build-up designed for use with heatpumps and low temperature systems.

**NEW  
PRODUCT!**

**COMING  
2026**

**PERFECT FOR  
HEATPUMP  
APPLICATIONS**



Border edge insulation

Subfloor

AmbiSolo® 16 with insulation

Floor finishes

Adhesive

22mm AmbiFibre Pro levelling screed

18mm AmbiSolo® 16 panel

16mm P16 AmbiFlex® pipe



Protects pipework while screeding



High output



Self-adhesive panel



Heatpump ready

## SCREEDED SYSTEM OVERVIEW

AmbiSolo® 16 is a high-flow and high-output system designed for renovation projects with low-temperature heat pumps. Its thin build-up and outstanding performance make it a top pick for these tricky projects. The self-adhesive backing makes it easy to use and easy for installers to fit. The panel can be laid over a solid floor with 22mm of Levelling screed or floor insulation and a traditional 65mm sand and cement screed. Pipe spacing can be in 50mm increments.

- ⊕ Self-adhesive panels means simple installation
- ⊕ Panel design allows for the screed to bond to the subfloor
- ⊕ UFH pipes to be laid in a Snail pattern

### PERFORMANCE SPECIFICATION

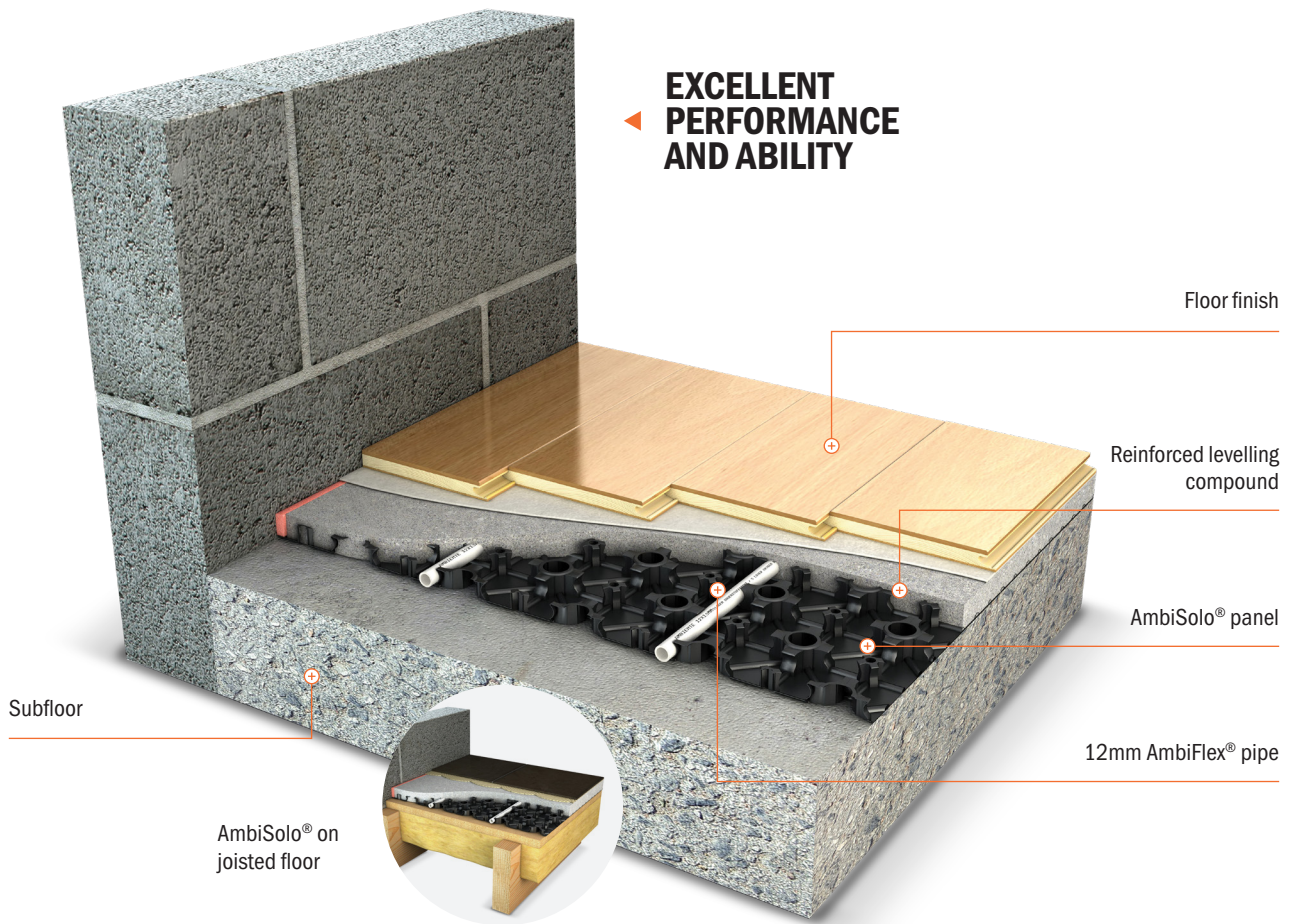
20°C ROOM TEMPERATURE AT MWT OF 45°C AND 0 TOG

HEIGHT (MM)	WEIGHT (KG/M <sup>2</sup> )	OUTPUT (W/M <sup>2</sup> )
<b>22</b>	<b>32</b>	<b>132*</b>

\*200mm pipe spacings

# AMBI.SOLO®

The AmbiSolo® system is a low-profile castellated underfloor heating system, designed for retro-fit projects.



±18MM±

Low-profile build-up



High output



Fully bonded system



Self-adhesive backing

## LOW-PROFILE SYSTEM OVERVIEW

The system incorporates a 12mm AmbiFlex® underfloor heating pipe within a plastic castellated panel, which is then covered with 22mm of reinforced levelling compound. The way that this system is designed means that it must be laid directly onto a structural and level sub-floor, not onto any loose flooring or insulation layer. This can be a concrete sub floor or chipboard floor, but it must be a structural layer as the 22mm compound is not structural in its own right. AmbiSolo® has many unique benefits over other retro-fit UFH systems. The installation method is flexible and quick compared to grooved board systems. Also the heating response time is rapid, heating up in 15-30 minutes (depending on floor covering).

### PERFORMANCE SPECIFICATION

20°C ROOM TEMPERATURE AT MWT OF 45°C AND 0 TOG

HEIGHT (MM)	WEIGHT (KG/M <sup>2</sup> )	OUTPUT (W/M <sup>2</sup> )
<b>18</b>	<b>32</b>	<b>135</b>



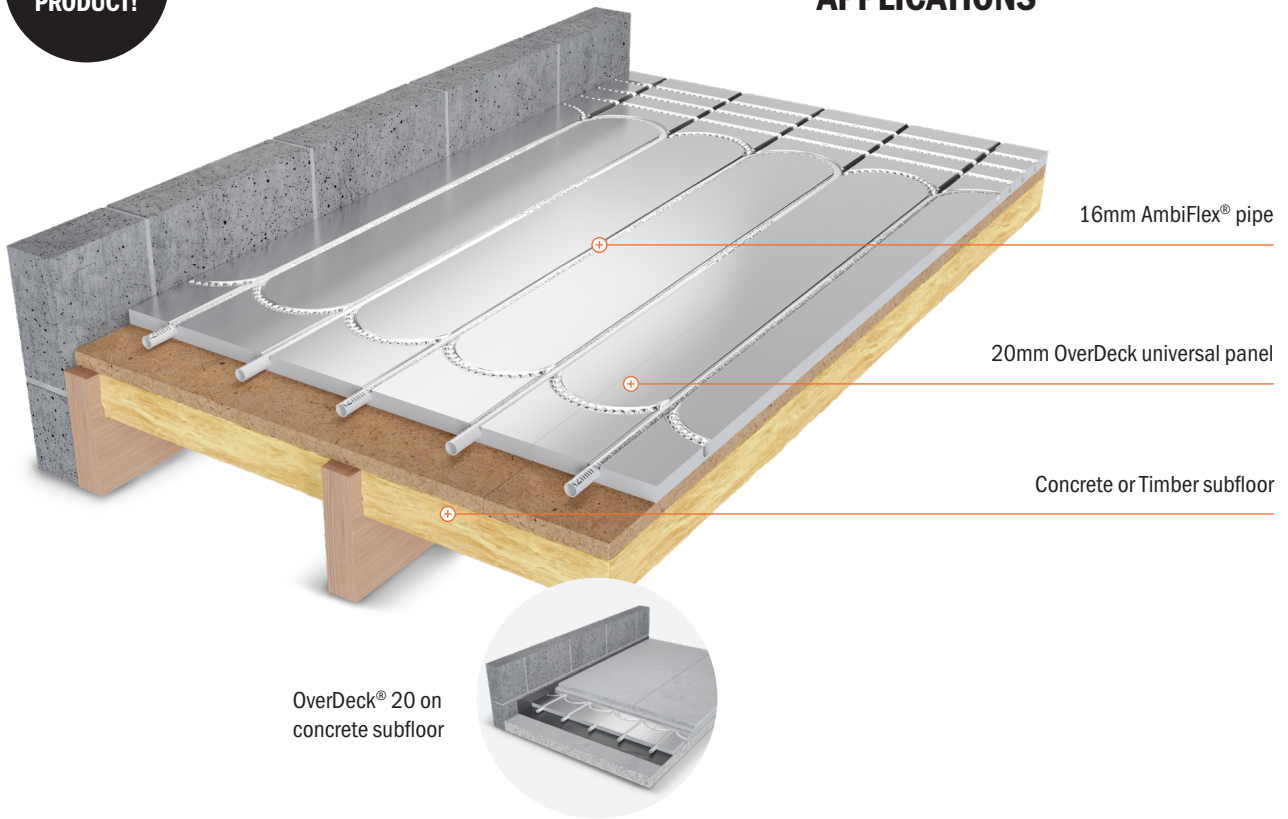
Scan to read more about the system.

# OVERDECK® 20

OverDeck® 20 is part of our range of low-profile systems, ideal for retrofit scenarios where build-up height is at a premium.

**NEW  
PRODUCT!**

**PERFECT FOR  
DRY RENOVATION  
APPLICATIONS**



±20MM±

Low-profile build-up



Aluminium foil layer



Lightweight



Speed of installation

## LOW-PROFILE SYSTEM OVERVIEW

The OverDeck® 20 system is a low-profile solution, perfect for retrofit projects where minimising floor build-up is critical. It can be used in a suspended or solid floor application, provided there's a structural, level, and firm subfloor to fully support the system. The pre-grooved insulation panels accommodate 16mm pipe and feature aluminium foil face. This maximises heat output by efficiently directing heat upwards through the subfloor layers. Installation is straightforward - cover the entire floor with insulation panels, adding battens for extra support at door thresholds and perimeters as needed. Compatible with a range of floor coverings to suit your design.

- ⊕ Carpets/tiles need a structural flooring layer to be laid over the OverDeck® boards
- ⊕ Timber flooring greater than 15mm thick can be laid directly over.

### PERFORMANCE SPECIFICATION

20°C ROOM TEMPERATURE AT MWT OF 45°C AND 0 TOG

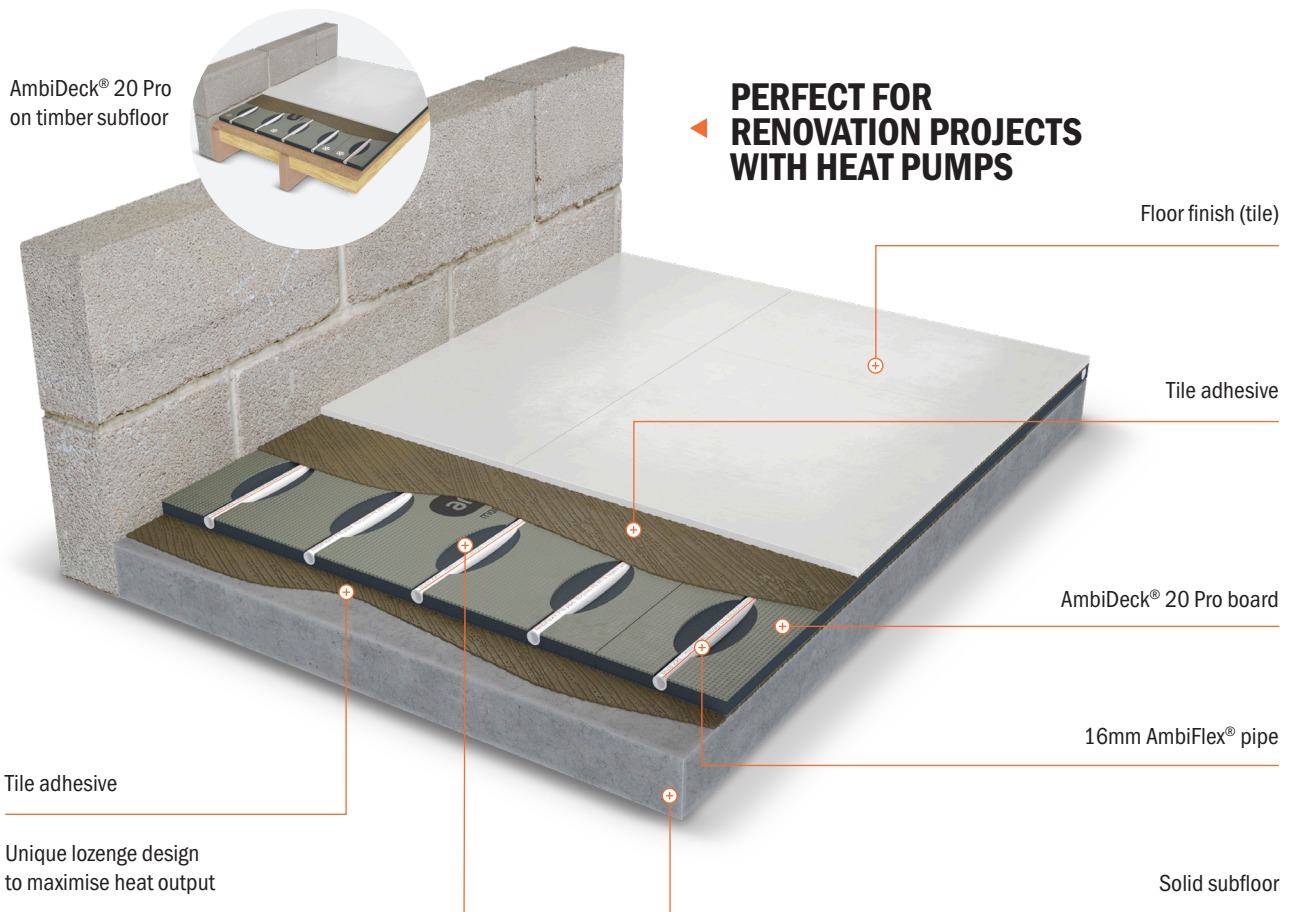
HEIGHT (MM)	WEIGHT (KG/M <sup>2</sup> )	OUTPUT (W/M <sup>2</sup> )
<b>20</b>	<b>1.8</b>	<b>98</b>



Scan to read more about the system.

# AMBIDECK® 20 PRO

The AmbiDeck® 20 Pro system really does give the best of both worlds for heat pumps and renovations.



±20MM±

Low-profile build-up



Tile over directly



High thermal insulation material



Suited to correct uneven subfloors

## LOW-PROFILE SYSTEM OVERVIEW

The AmbiDeck® 20 Pro system really does give the best of both worlds – it provides a low-profile Underfloor Heating system, which incorporates an insulation layer and can be tiled directly. AmbiDeck® 20 Pro consists of a high-density XPS insulation panel that is 20mm thick.

The face of the panel is cement-coated, making it rigid and durable. It is grooved to take 16mm UFH pipework, Corner panels and Highway panels make it easier on site to deal with transit pipework with a 150mm radius return grooved into each panel, making the panel universal. Additional pipework channels can easily be routed/grooved into the panel.

UK Patent Pending 2402953.0.

### PERFORMANCE SPECIFICATION

20°C ROOM TEMPERATURE AT MWT OF 45°C AND 0 TOG

HEIGHT (MM)

**20**

WEIGHT (KG/M<sup>2</sup>)

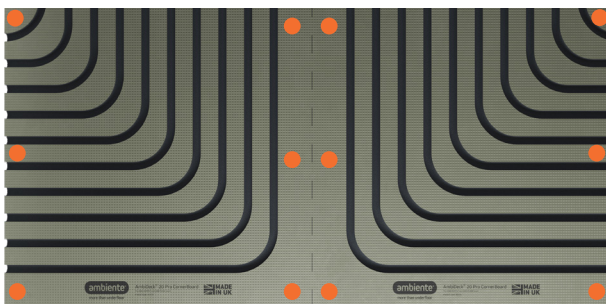
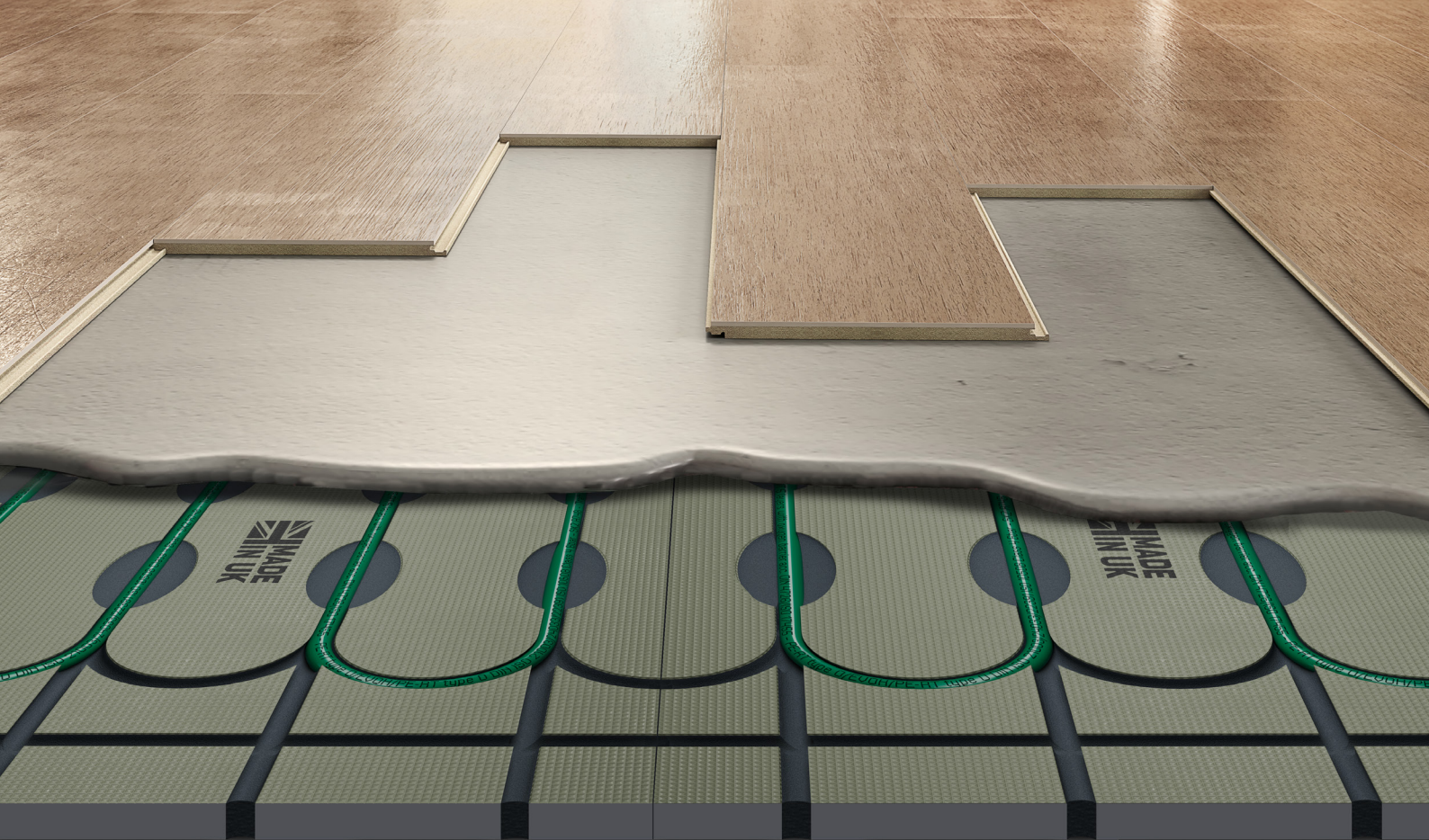
**15**

OUTPUT (W/M<sup>2</sup>)

**120**



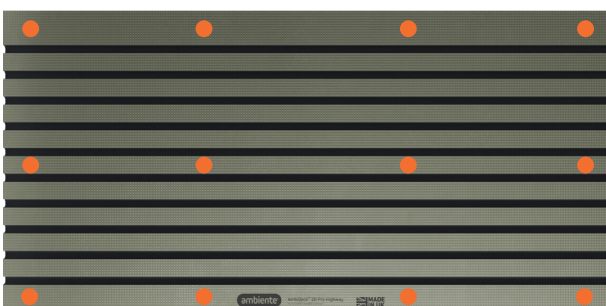
Scan to read more about the system.



## MINIMUM BOARD PIPE FIXING LOCATIONS PER PANEL TYPE

When fitting the AmbiDeck® 20 Pro over a structural timber floor, the boards should be laid over the entire floor area. Boards are fixed directly to the timber deck with AmbiDeck® 20 Pro washers and screws.

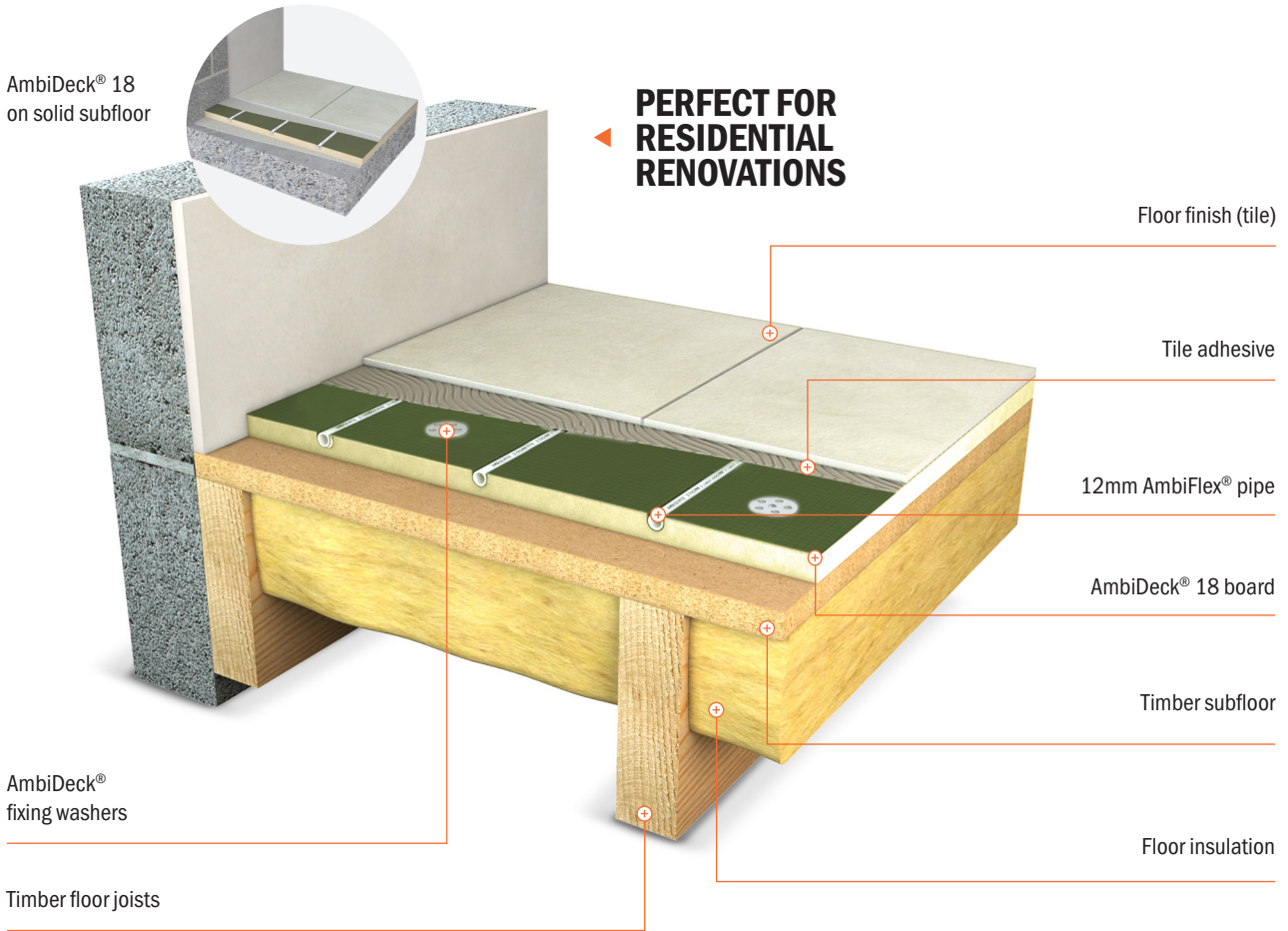
We recommend using a minimum number of 12 fixings per board to ensure a firm fixing prior to tiling, more fixings should be added as required. The panels are universal, with radius return bends on one end.



## UNIQUE THERMAL DISTRIBUTION DESIGN

# AMBIDECK® 18

AmbiDeck® 18 combines a low-profile UFH system with excellent performance and the ability to lay tiles directly over!



**±18MM±**  
Low-profile build-up

Tile over directly

Lay on solid or timber floors

Speed of installation

## LOW-PROFILE SYSTEM OVERVIEW

AmbiDeck® 18 consists of a high-density XPS insulation panel, 18mm thick.

The face of the panel is cement-coated, making it rigid and durable. It is grooved to take 12mm UFH pipework, with a radius return into each panel, making the panel universal. Additional pipework channels can easily be routed/grooved into the panel.

AmbiDeck® 18 must be laid onto a flat and level subfloor, which can either be concrete or timber based.

Tiles and wood flooring can be laid directly over this system. Other finishes such as carpets or vinyl will require an intermediate board layer, prior to the finish being installed.

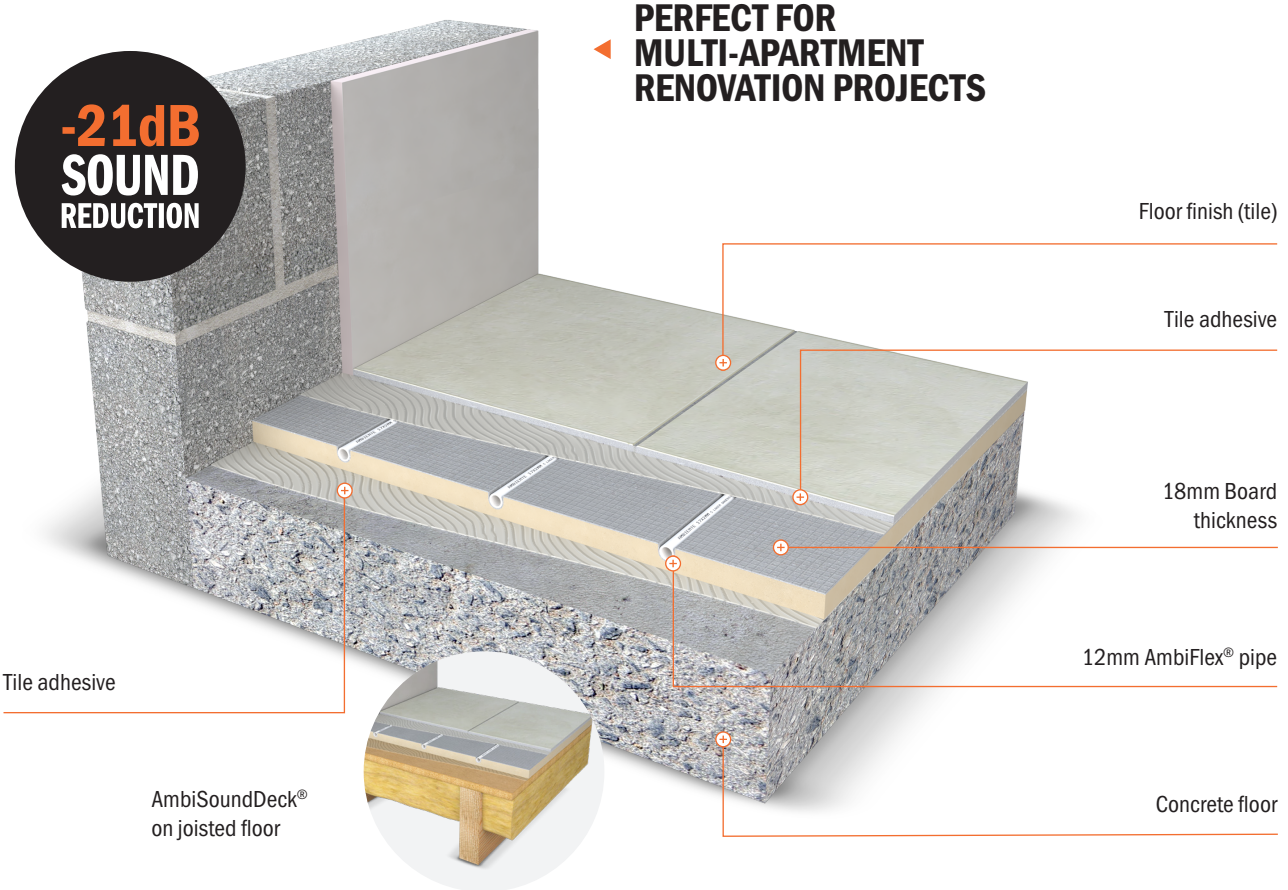
PERFORMANCE SPECIFICATION		
20°C ROOM TEMPERATURE AT MWT OF 45°C AND 0 TOG		
HEIGHT (MM)	WEIGHT (KG/M <sup>2</sup> )	OUTPUT (W/M <sup>2</sup> )
<b>18</b>	<b>13</b>	<b>79</b>



Scan to read more about the system.

# AMBI SOUNDDECK®

The AmbiSoundDeck® system provides the ultimate combination of acoustics, insulation and underfloor heating in one product, reducing labour time and improving the quality of the installation on site.



PERFECT FOR  
MULTI-APARTMENT  
RENOVATION PROJECTS

**-21dB**  
SOUND  
REDUCTION

Floor finish (tile)

Tile adhesive

18mm Board  
thickness

12mm AmbiFlex® pipe

Concrete floor

Tile adhesive

AmbiSoundDeck®  
on joisted floor

**±18MM±**  
Low-profile build-up

Tile over directly

-21dB acoustic improvement

Suited to correct uneven subfloors

## LOW-PROFILE SYSTEM OVERVIEW

The AmbiSoundDeck® system provides the ultimate combination of acoustics, insulation and underfloor heating in one product, reducing labour time and improving the quality of the installation on site. It provides a low-profile underfloor heating system, incorporates high-density XPS thermal insulation, includes a high-performance acoustic detail and can be directly tiled over – truly unique within the underfloor heating market.

The thickness of the panel is 18mm. The face of the panel is cement-coated, making it rigid and durable. It's grooved to take 12mm AmbiFlex® pipework, with a radius returns grooved into each panel, making the panel universal. Additional pipework channels can easily be routed/grooved into the panel.

Tested and certified at Salford University: BS EN ISO 10140-3:2021.

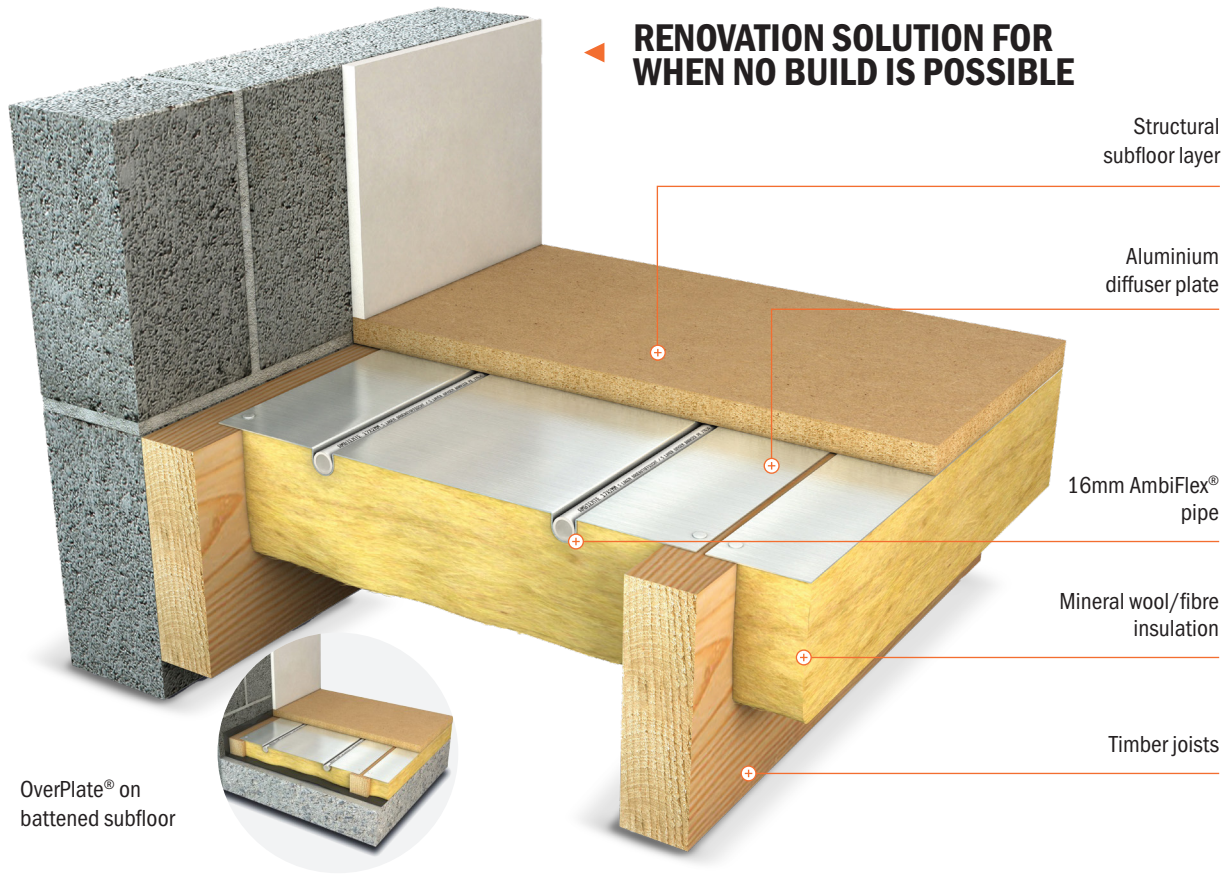
PERFORMANCE SPECIFICATION		
20°C ROOM TEMPERATURE AT MWT OF 45°C AND 0 TOG		
HEIGHT (MM)	WEIGHT (KG/M <sup>2</sup> )	OUTPUT (W/M <sup>2</sup> )
<b>18</b>	<b>13</b>	<b>79</b>



Scan to read more about the system.

# OVERPLATE®

The OverPlate® system is designed for use on joisted floor systems, typically for first floor applications.



OverPlate® on battened subfloor



Fits within existing floor void



Installation from above



Aluminium diffuser plate



Lightweight

## SUSPENDED SYSTEM OVERVIEW

Before the system is installed, the joist void should be insulated - typically with a mineral wool type insulation, but also commonly with a 'board' type insulation supported by battens. In both cases, it is important that the insulation layer is pushed up tight to the underside of the plates to maximise heat output and minimise downward loss.

The aluminium diffuser plates are then installed, fixed to either side of the joist void. The aluminium plates can only be laid on straight pipe runs and typically cover 80% of the heated floor area. The pipework is then installed into the diffuser plates as per the installation drawings. The reflective properties of the aluminium diffuser plates mean that any heat is efficiently pushed up through the sub-floor layers for maximum heat output.

### PERFORMANCE SPECIFICATION

20°C ROOM TEMPERATURE AT MWT OF 45°C AND 0 TOG

HEIGHT (MM)	WEIGHT (KG/M <sup>2</sup> )	OUTPUT (W/M <sup>2</sup> )
<b>0</b>	<b>3</b>	<b>70*</b>

\*200mm pipe spacings



Scan to read more about the system.

# UNDERPLATE®

The UnderPlate® system is a unique and innovative system, allowing installation from beneath the floor layer.

## PERFECT FOR FLOORS WITH LIMITED ACCESSIBILITY



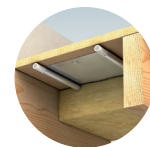
Aluminium diffuser plate  
(Fitted either between joists or over joists)

Structural subfloor layer

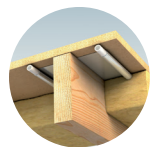
Mineral wool insulation

Suspended timber floor joists

16mm AmbiFlex® pipe



Section A



Section B



Fits within zero build-up



Aluminium diffuser plate



Lightweight



Installation from below

## SUSPENDED SYSTEM OVERVIEW

The UnderPlate® system allows for installation from underneath - ideal for retro-fit scenarios when the floor finish is already in place (**section A above**).

The system can also be fitted from above, where the plates are laid across the floor joists (**section B above**).

It is important as with all plated systems that joist void is well insulated - normally 100mm of mineral wool type insulation. The reflective properties of the aluminium diffuser plates mean that any heat is efficiently pushed up through the sub-floor layers for maximum heat output. The nature of the system means that it has a quicker response than a traditional (screed) UFH system.

Plate size: 200 x 1000mm

### PERFORMANCE SPECIFICATION

20°C ROOM TEMPERATURE AT MWT OF 45°C AND 0 TOG

HEIGHT (MM)	WEIGHT (KG/M <sup>2</sup> )	OUTPUT (W/M <sup>2</sup> )
<b>0</b>	<b>3</b>	<b>70*</b>

\*200mm pipe spacings

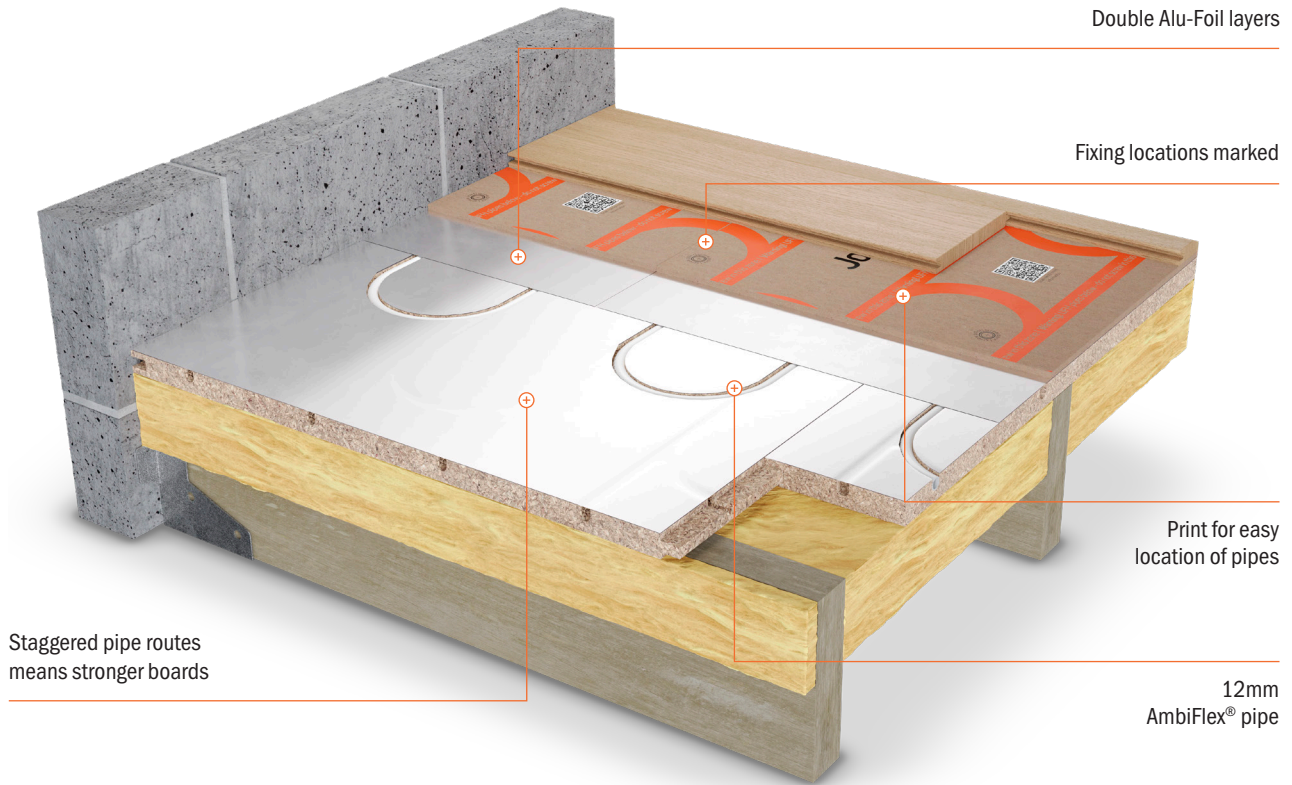


Scan to read more about the system.

# JOFLOOR® 28

JoFloor® is a structural floor with UFH, suited to replace existing floor boards in renovation projects.

## PERFECT FOR RENOVATION PROJECTS



  
Ready for finishes

  
Double Alu-Foil

  
High output

  
Quick heat up

## SUSPENDED SYSTEM OVERVIEW

JoFloor® is a 28mm structural build-up with UFH. It's normally used in renovation projects over timber joists.

JoFloor® Top panel – 6mm MDF cover panel with Alu-Foil layer bonded to the underside of the panel. Print includes essential information like the pipe locations in orange and the screw points for fixing the board down to the base panel.

JoFloor® 28 base board is a 22mm T+G P5 chipboard with Alu-Foil and grooved to receive the AmbiFlex® P12 pipe. The boards are flooring-grade boards.

High-performance output – the 2 x layers of Alu-Foil increase output and the JoFloor® 28 base board provides a quicker response time.

If tiles are required - the top boards are replaced with the JoFloor® 28 tile board.

### PERFORMANCE SPECIFICATION

20°C ROOM TEMPERATURE AT MWT OF 45°C AND 0 TOG

HEIGHT (MM)	WEIGHT (KG/M <sup>2</sup> )	OUTPUT (W/M <sup>2</sup> )
<b>28</b>	<b>22</b>	<b>107</b>

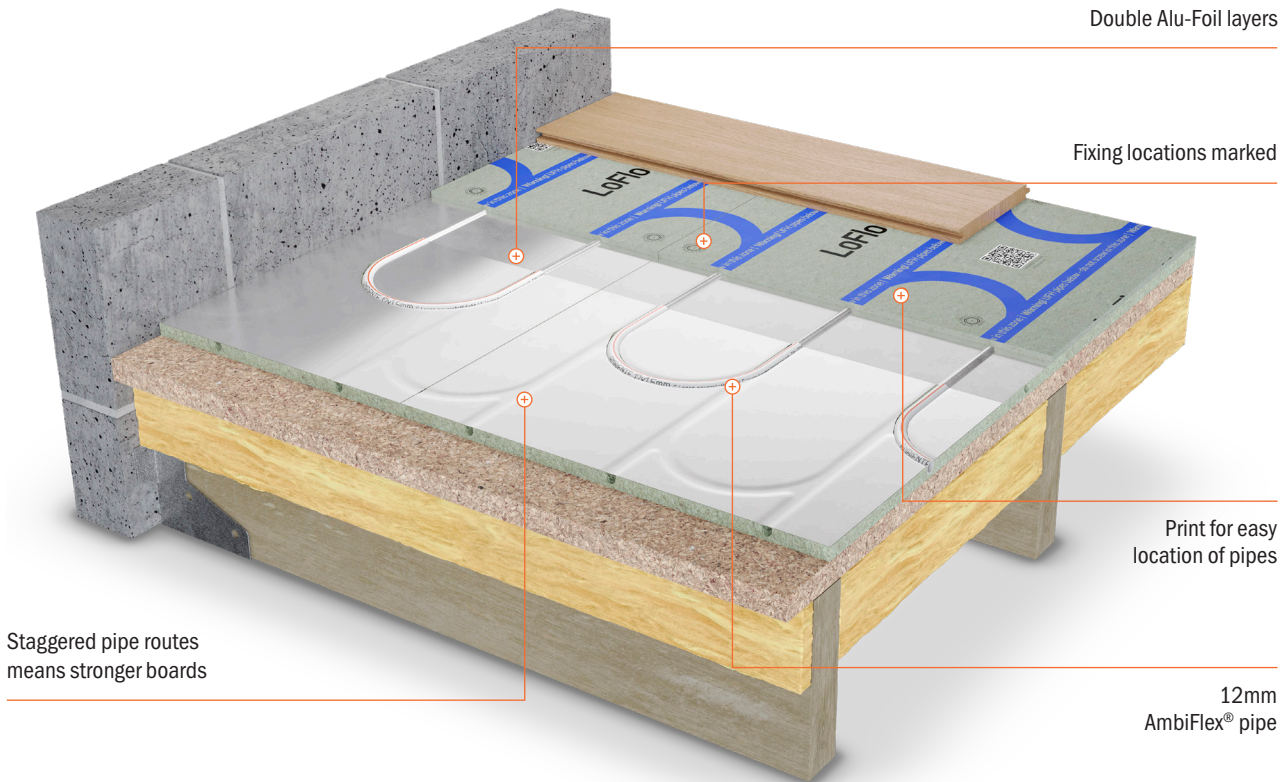



Scan to read more about the system.

# LOFLOOR® 18

LoFloor® is designed to go on top of the existing subfloor. Consists of a base and top board.

PERFECT FOR RENOVATION PROJECTS

Ready for finishes



Double Alu-Foil



High output



Quick heat up

## SUSPENDED SYSTEM OVERVIEW

LoFloor® 18 top board is a 6mm moisture resistant MDF top board with Alu-Foil layer and partially grooved. Print includes essential information like the pipe locations in blue and the screw points for fixing the board down to the base panel.

LoFloor® 18 base board is a 12mm Alu-Foiled and partially grooved moisture resistant MDF to receive the AmbiFlex® P12 pipe.

High performance output - the 2 x layers of Alu-Foil gives an increased output and a quicker response time.

In tiled or vinyl areas, we recommend that you use the AmbiDeck® 18 system.

PERFORMANCE SPECIFICATION		
20°C ROOM TEMPERATURE AT MWT OF 45°C AND 0 TOG		
HEIGHT (MM)	WEIGHT (KG/M <sup>2</sup> )	OUTPUT (W/M <sup>2</sup> )
<b>18</b>	<b>10.8</b>	<b>106</b>



Scan to read more about the system.

EVERY PART  
EVERY PRODUCT  
EVERY ACCESSORY  
FOR EVERY PROJECT



[ambienteufh.co.uk](http://ambienteufh.co.uk)

# UFH PRODUCTS

ambiente®

more than underfloor

# Product Overview

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We believe in the importance of supporting our customers throughout the project process – right from initial design and product specification, through to project delivery and after-sales support, our team

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With the Part L regulation changes and the increased use of ASHP's, we are here to advise and assist you with the supply of wet underfloor heating.

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ONGOING PRODUCT DEVELOPMENT



GET YOUR GOODS QUICKER



EXCEPTIONAL CUSTOMER SERVICE



QUOTES WHEN YOU NEED THEM



SPEAK WITH THE EXPERTS



THE AMBIPAK SOLUTION



PERSONAL ACCOUNT MANAGEMENT



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# We are all over the UK, contact your local office today

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## **East England (Hertfordshire) head office:**

Ambiente, Heritage House, 1 Woodside Lane, Bell Bar, Hertfordshire AL9 6DE

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## **South West (Yeovil) office:**

46 Buckland Road, Pen Mill Trading Estate, Yeovil, BA21 5EL

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## **North West (Preston) office:**

172 Brierley Road, Walton Summit Centre, Preston, PR5 8AH

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## **Scotland (Falkirk) office:**

Unit 10, Callendar Business Park, Falkirk, FK1 1XR



Do you need help on your UFH project? Talk to our experts today on **01707 649 118** or **[sales@ambienteufh.co.uk](mailto:sales@ambienteufh.co.uk)**

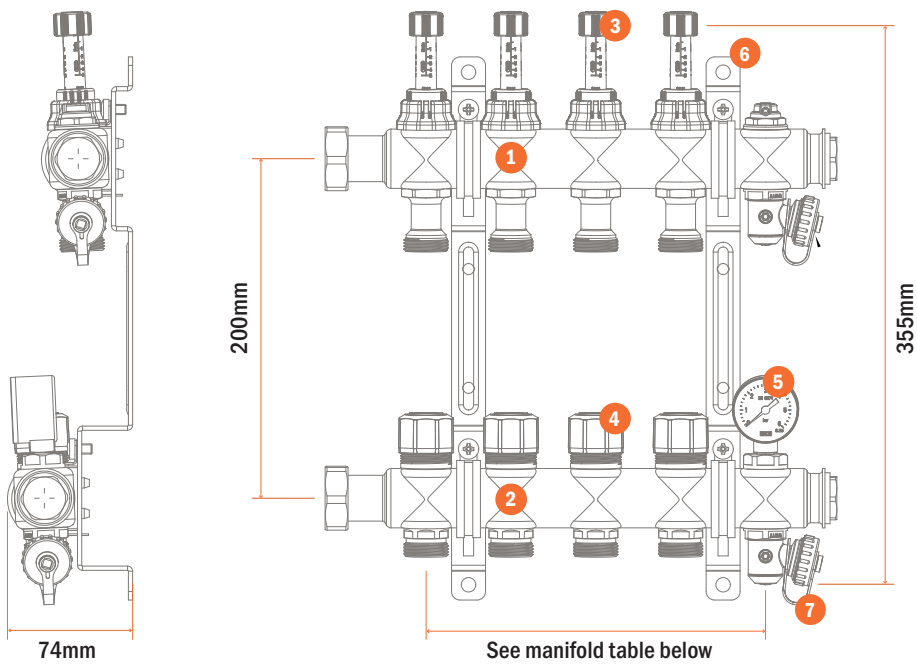
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# 413. SERIES MANIFOLDS

Pre-assembled stainless steel distribution manifold with 3/4" Eurocone take-offs. Includes fill/drain valves, pressure gauge and mounting brackets.



TYPE	CODE
413. Series Manifold 1 port	41299
413. Series Manifold 2 port	41300
413. Series Manifold 3 port	41310
413. Series Manifold 4 port	41320
413. Series Manifold 5 port	41330
413. Series Manifold 6 port	41340
413. Series Manifold 7 port	41350
413. Series Manifold 8 port	41360
413. Series Manifold 9 port	41370
413. Series Manifold 10 port	41380
413. Series Manifold 11 port	41390
413. Series Manifold 12 port	41395
413. Series Manifold 13 port	41396
413. Series Manifold 14 port	41397

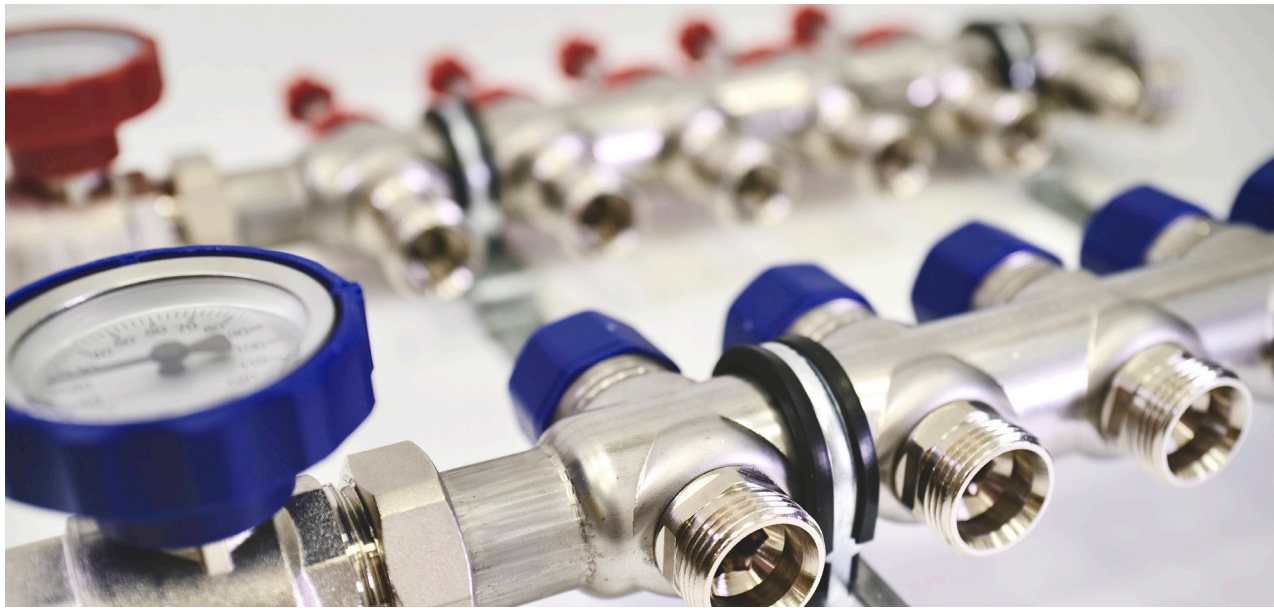


- 1 Manifold flow bar
- 2 Manifold return bar
- 3 Flow meter: 42180
- 4 Actuator valve (shown with pre-install caps): 42181
- 5 Pressure gauge: 42184
- 6 Manifold bracket: 42182
- 7 Fill and drain point: 42410

Made in Germany.

NUMBER OF PORTS	1	2	3	4	5	6	7	8	9	10	11	12	13	14
MANIFOLD LENGTH (MM)	142	192	242	292	342	392	442	492	542	592	642	692	742	792

Recommended minimum installation clearances: 200mm between the finished floor level (FFL) and bottom of the manifold, 100mm above the manifold, 50mm to either side of the manifold and allow an extra 100mm for the connection of the primary flow/return pipework.



# ORDER UFH ONLINE



Trade Pricing



Exclusive Offers



Easy Ordering 24/7



Next Day Delivery

## UNLOCK YOUR ONLINE TRADE ACCOUNT

A faster, smarter way to order your UFH parts online. Create your online trade account today to unlock trade pricing, exclusive online discounts, and special offers. Save time and order whenever it's convenient for you, with next day delivery.



**SCAN TO REGISTER  
YOUR ONLINE  
TRADE ACCOUNT**

# MANIFOLD ACCESSORIES

Series of accessories for manifolds starting with codes 413. Certain accessories can depend on size/material of pipe.



**Order Code: 42070**  
**12MM SLIMPUL® COUPLING (10PCS)**

**Order Code: 42071**  
**16MM SLIMPUL® COUPLING (10PCS)**

**Order Code: 42074**  
**12MM SLIMPUL® SLEEVE (20PCS)**

**Order Code: 42075**  
**16MM SLIMPUL® SLEEVE (20PCS)**

A complete fitting comprises of two sleeves and one coupling.



**Order Code: 42250**  
**16 X 2MM (M16) COUPLING**

3/4" coupling for 16mm x 2mm AmbiFlex® M16 pipe.

## UNRIVALLED STRENGTH SUPER SLIM BUILD

Made from PPSU plastic, SlimPul® is built to withstand extreme weight and is super resilient in screed conditions, making your pipe repair/extension more reliable so you can fit and forget.



**Lifetime warranty**



**No restriction to flow**



**Super strong plastic**



**Order Code: 42201**  
**16 X 2MM (P/T16) COUPLING**

3/4" coupling for 16mm x 2mm AmbiFlex® P16 and T16 pipes.



**Order Code: 42189**  
**12 X 1.5MM (P12) COUPLING**

3/4" coupling for 12mm x 1.5mm AmbiFlex® P12 pipe.

# MANIFOLDS ACCESSORIES

Series of accessories for manifolds starting with codes 413. Certain accessories can depend on size/material of pipe.



**Order Code: 42050**

## BALL VALVES

1" paid (not supplied with manifold).



**Order Code: 42060**

## TEMPERATURE GAUGE VALVES

Isolation ball valves with temperature gauge, 1" pair (not supplied with manifold).



**Order Code: 42180**

**Order Code: 42179**

## FLOW METER REPLACEMENT

(42180) 0-5 Litre/min flow meter for 413. series manifolds.  
(42179) 0-3 Litre/min flow meter for 413. series manifolds.



**Order Code: 42181**

## ACTUATOR REPLACEMENT VALVE PIN

Replacement actuator valve pin for manifold return bar. Fits all 413. series stainless steel manifolds.



**Order Code: 42410**

## FILL/DRAIN VALVE

Fill and drain valve for 413. series manifolds.



**Order Code: 42184**

## PRESSURE GAUGE AND ADAPTOR

Adaptor to make compatible with 413 manifolds.

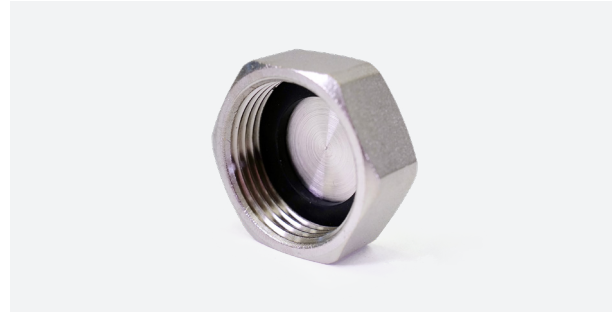
# MANIFOLD ACCESSORIES

Series of accessories for manifolds starting with codes 413. Certain accessories can depend on size/material of pipe.



**Order Code: 42390**  
**AUTO AIR VENT**

Auto air vent for 413. series manifold.



**Order Code: 42177**  
**3/4" BLANKING CAP**

Blanking cap for 413. series manifold.



**Order Code: 46755**  
**MANIFOLD TAG**

To record linked rooms and their corresponding loop numbers.



**Order Code: BOM 42108    Code: BOM 42201**  
**3/4" REPAIR FOR 12 & 16 MM PIPE**

(BOM 42108) 3/4" Repair for 12mm pipe.  
(BOM 42201) 3/4" Repair for 16mm pipe.



**Order Code: 43070**  
**MOTORISED ZONE VALVE**

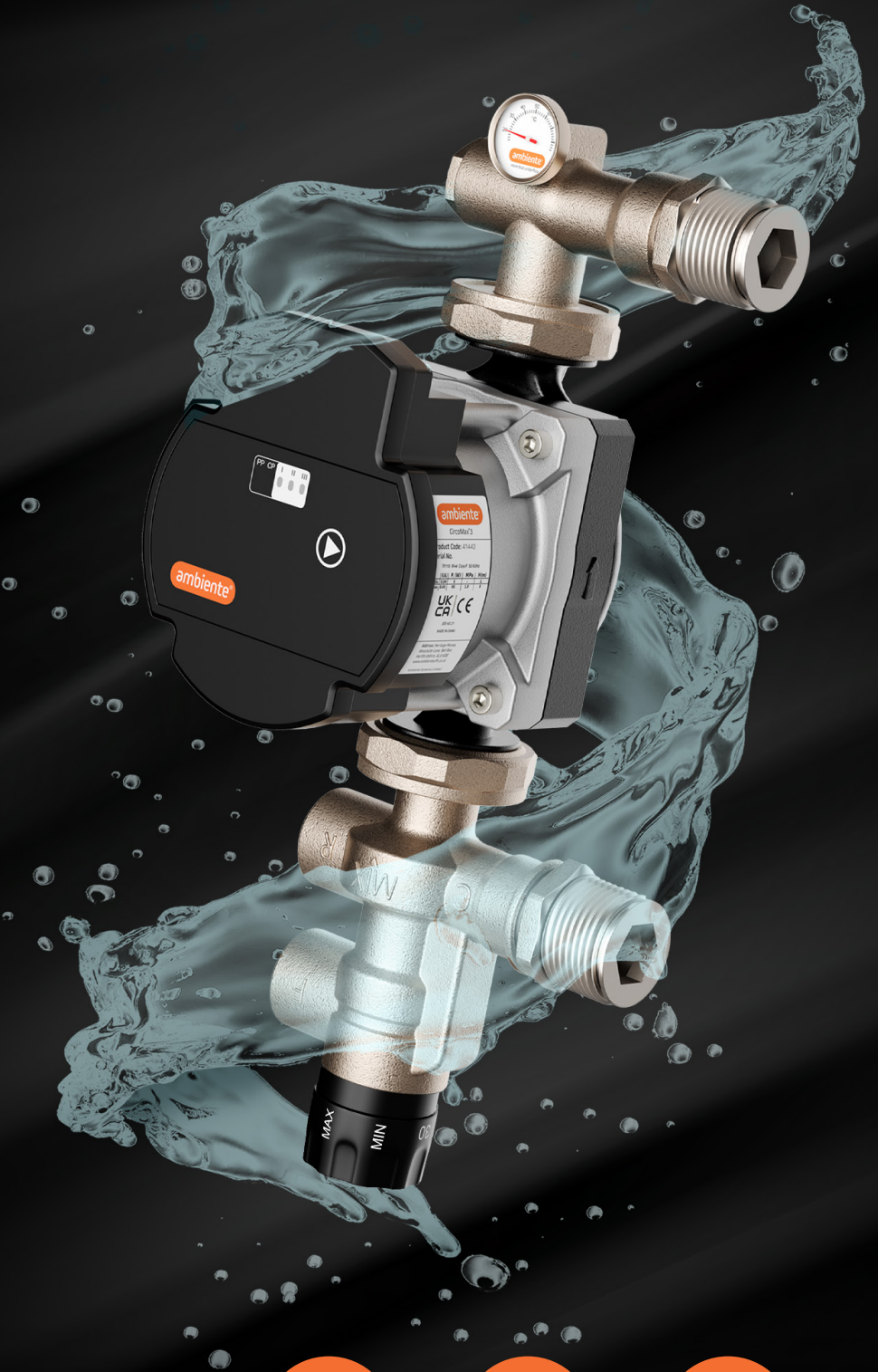
22mm 230V.



**Order Code: 42105**  
**3/4" BSP STRAIGHT CONNECTOR**

3/4" pipe repair for use with relevant pipe couplings to join pipe.

# WATER FLOW MADE SIMPLE



## Circomax<sup>®</sup> 3 pumpset

Available in a mixing version for boilers and a non-mixing version for heat pumps.



SCAN TO FIND OUT  
MORE ABOUT THE  
CIRCUMAX<sup>®</sup> 3



5-Year warranty



2.54 KVA



Made in the UK



Ambidextrous  
mounting



Pump set to  
UFH by default

# MANIFOLD ACCESSORIES

Series of accessories for manifolds starting with codes 413. Certain accessories can depend on size/material of pipe.



**Order Code: 41441**  
**CIRCOMAX® 3 MIXING PUMPSET**

Temperature range on the mixing valve is 25 - 55°C. Typically used with boilers.



**Order Code: 41440**  
**CIRCOMAX® 3 PUMP ONLY**

CircoMax® 3 pump.



**Order Code: 41439**  
**MIXING VALVE AND ELBOW**

CircoMax® 3 mixing valve and elbow only.



**Order Code: 41443**  
**CIRCOMAX® 3 NON-MIXING PUMPSET**

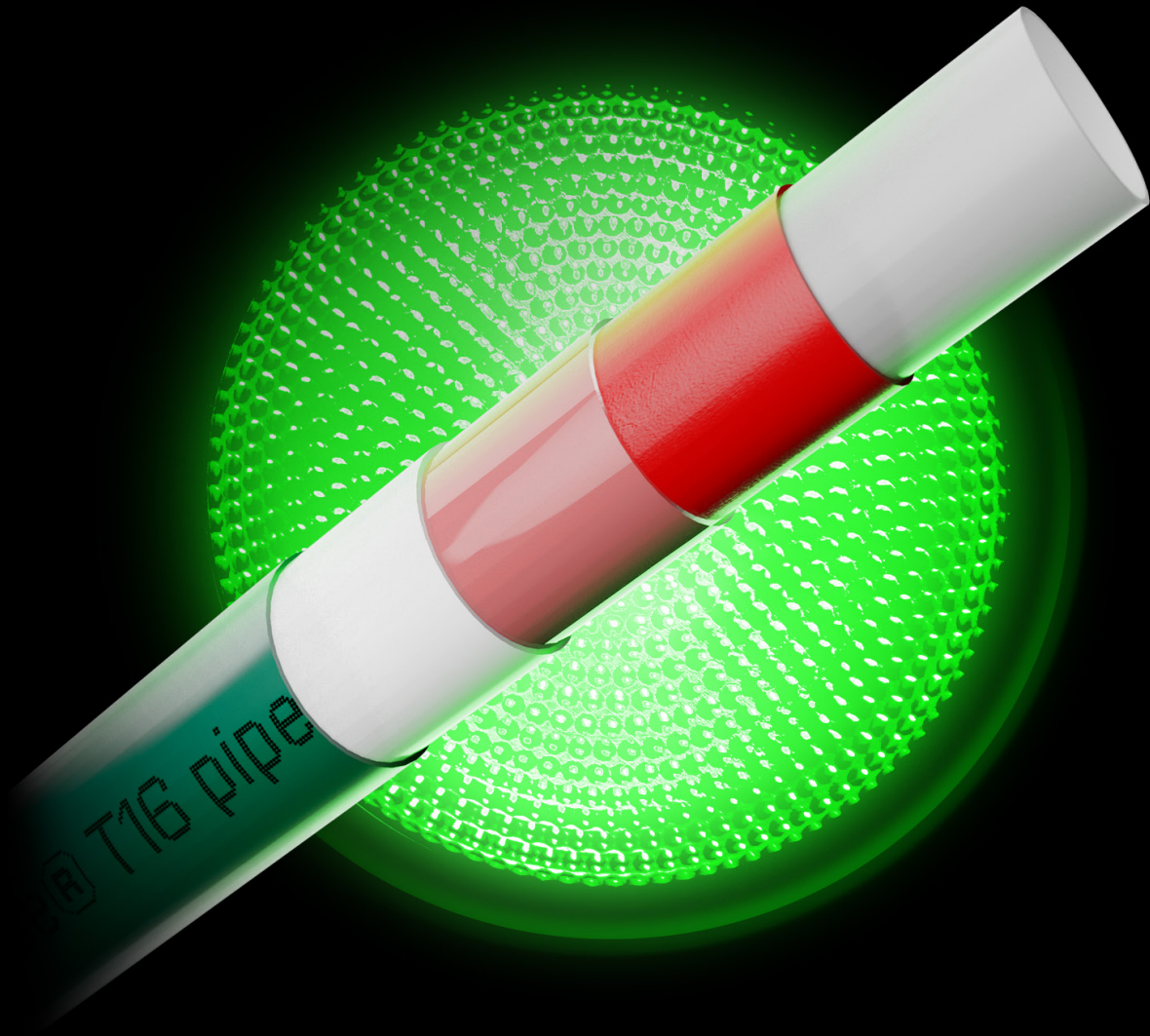
For when you don't need to mix the temperature. Typically used with heatpumps.



**Order Code: 41442**  
**NON-MIXING VALVE AND ELBOW**

CircoMax® 3 - Non-mixing valve and elbow only.

# GIVE EVERY PROJECT THE GREEN LIGHT



## The TraffiPipe®

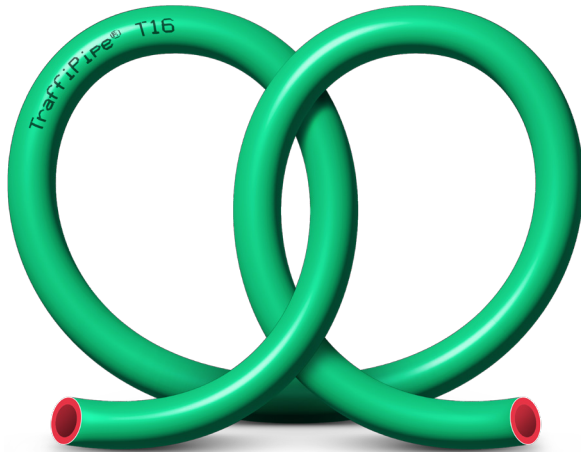
With its revolutionary traffic light colour coding system, the new TraffiPipe® UFH system ensures a lifetime guarantee against product defects, giving you absolute peace of mind.



SCAN TO FIND  
OUT MORE ABOUT  
THE TRAFFIPIPE®

# THE MOST FLEXIBLE UFH PIPE

TraffiPipe® - 16mm ultra flexible UFH pipe with 5 layers and an oxygen barrier with various lengths.



## GET PEACE OF MIND ON ALL PROJECTS

- ✓ Superior 5 layer PE-RT construction
- ✓ Integral protected EVOH oxygen barrier
- ✓ Traffic light system avoids remedial work
- ✓ Green = GO, everything is safe to proceed
- ✓ Red = STOP, repair or replace pipework



**40300** - TraffiPipe® T16 120m



**40310** - TraffiPipe® T16 240m



**40320** - TraffiPipe® T16 500m

## A BREAKDOWN OF THE COLOUR CODED SYSTEM



Once installed, TraffiPipe® will remain green if everything is looking safe to GO.



Revealing white (polymer adhesive) means that the oxygen barrier is still in tact, if you can't see red it's good to PROCEED.



Exposing red (polymer adhesive) means the EVOH oxygen barrier has been damaged. STOP, the pipe needs to be repaired or replaced.

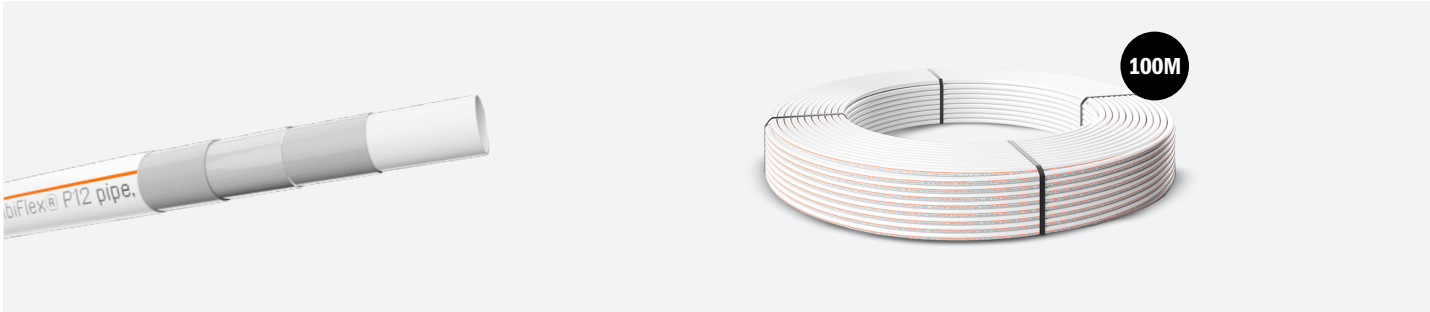


**LIFETIME WARRANTY**

Designed in Great Britain, made in Germany.

# PIPES

AmbiFlex® pipes are designed and manufactured to give optimum flexibility and durability for their intended purpose.



## AMBIFLEX® P12 PIPE

5 layer pipe with EVOH oxygen barrier with wrap-to-save technology. 12mm diameter.

Order Code: 39000

## AMBIFLEX® P12 PIPE 100M



## AMBIFLEX® P16 PIPE

5 layer pipe with EVOH oxygen barrier with wrap-to-save technology. 16mm diameter.

Order Code: 40200

## AMBIFLEX® P16 PIPE 120M



## AMBIFLEX® M16 PIPE

16mm UFH Pipe, PE-RT/AL/PE-RT ultra flexible UFH pipe.

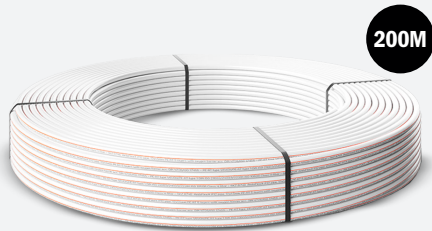
Order Code: 40102

## AMBIFLEX® M16 PIPE 120M

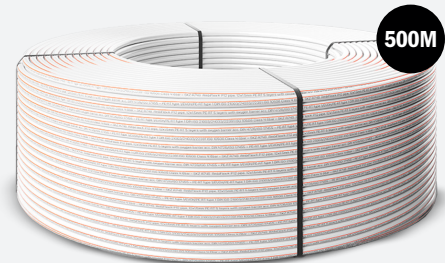
Designed in Great Britain, made in Germany



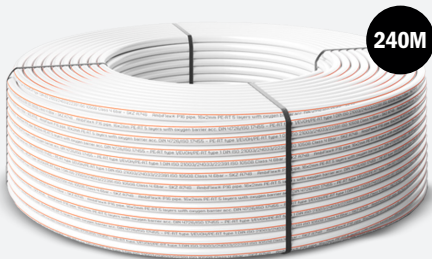
LIFETIME WARRANTY



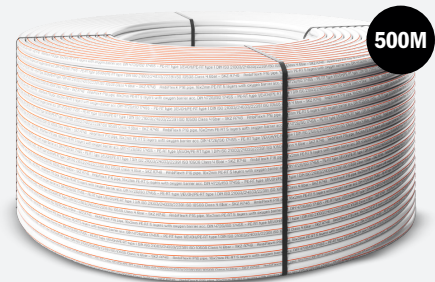
**Order Code: 30020**  
**AMBIFLEX® P12 PIPE 200M**



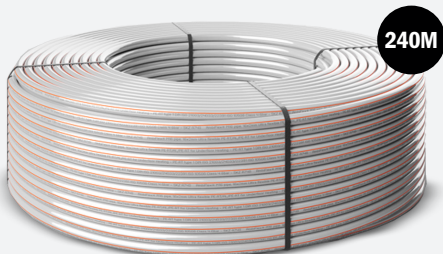
**Order Code: 30050**  
**AMBIFLEX® P12 PIPE 500M**



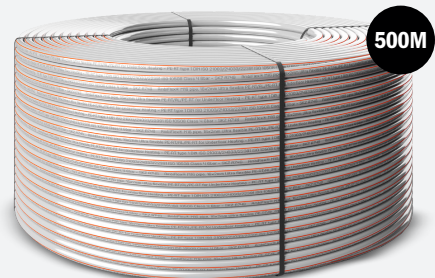
**Order Code: 40210**  
**AMBIFLEX® P16 PIPE 240M**



**Order Code: 40220**  
**AMBIFLEX® P16 PIPE 500M**

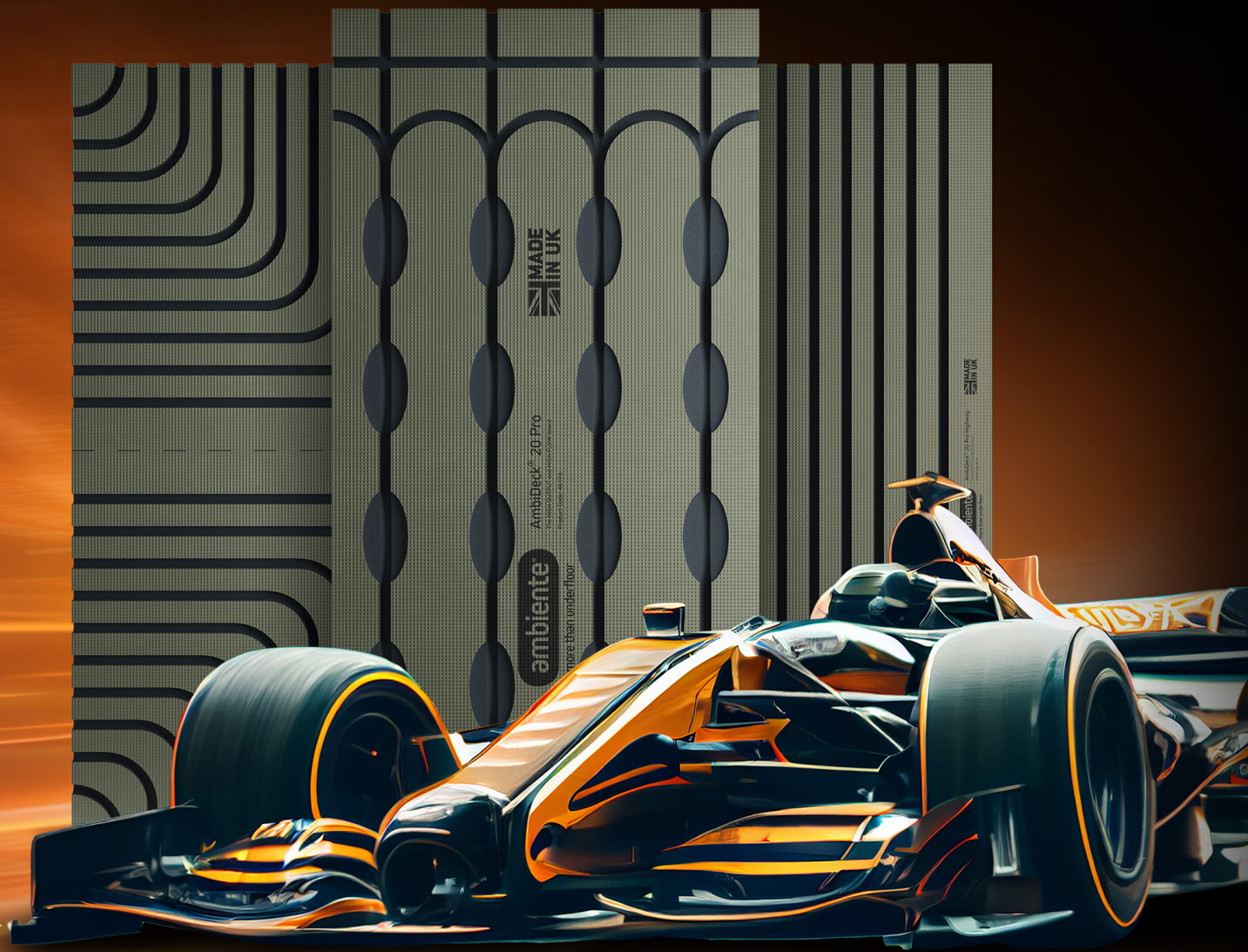


**Order Code: 40114**  
**AMBIFLEX® M16 PIPE 240M**



**Order Code: 40120**  
**AMBIFLEX® M16 PIPE 500M**

# QUICK AND SIMPLE INSTALLATIONS



## The AmbiDeck® family

The AmbiDeck® system delivers the best of both worlds – a low-profile underfloor heating system, which incorporates an insulation layer and can be tiled directly onto.

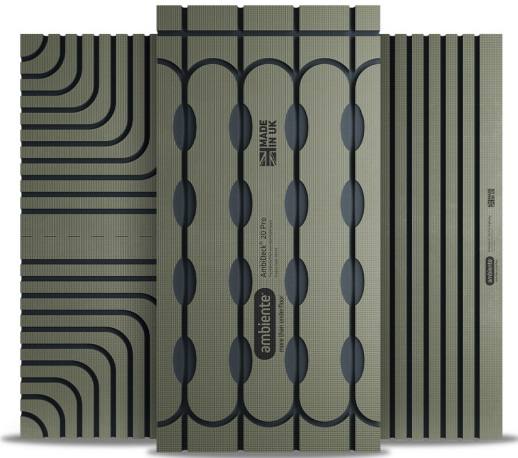


SCAN TO FIND  
OUT MORE ABOUT  
THE AMBIDECK®

# THE AMBIDECK® FAMILY

## AMBIDECK® 20 PRO

Provides a 20mm high-output UFH system with a unique lozenge design for 16mm pipe and can be directly tiled over. Add a minimum of 6mm AmbiFibre Pro levelling compound for other finishes.



**Order Code: 46173**

1200 x 600 x 20mm

**UNIVERSAL PANEL**



**Order Code: 46174**

1200 x 600 x 20mm

**HIGHWAY PANEL**



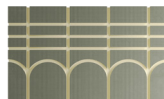
**Order Code: 46175**

1200 x 600 x 20mm

**CORNER PANEL**

## AMBIDECK® 18

Provides a 18mm UFH system with high-density XPS thermal insulation for 12mm pipe and can be directly tiled over. Add a minimum of 6mm AmbiFibre Pro levelling compound for other finishes.



**Order Code: 46170**

1200 x 600 x 18mm

**UNIVERSAL PANEL**



**Order Code: 46171**

1200 x 600 x 18mm

**HIGHWAY PANEL**



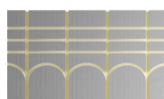
**Order Code: 46172**

1200 x 600 x 18mm

**CORNER PANEL**

## AMBISOUNDDECK®

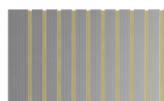
Provides a 18mm acoustic UFH system with high-density XPS thermal insulation for 12mm pipe and can be directly tiled over. Add a minimum of 6mm AmbiFibre Pro levelling compound for other finishes.



**Order Code: 46177**

1200 x 600 x 18mm

**UNIVERSAL PANEL**



**Order Code: 46178**

1200 x 600 x 18mm

**HIGHWAY PANEL**



**Order Code: 46179**

1200 x 600 x 18mm

**CORNER PANEL**

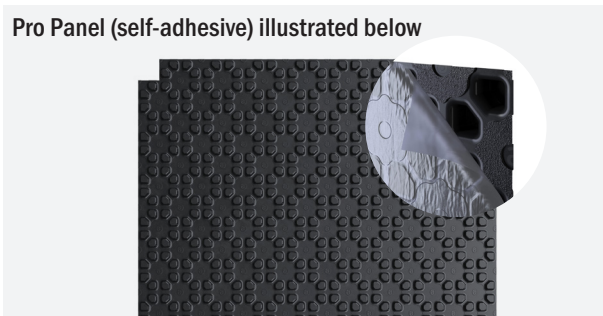
**-21dB  
SOUND  
REDUCTION**

# SYSTEM PANELS



**Order Code: 46101**  
**AMBISOLO® 16**

1200 x 600 x 18mm with self-adhesive backing for 16mm pipe.



Pro Panel (self-adhesive) illustrated below

**Order Code: 46320**      **Order Code: 46325**  
**CASTELLATED PANEL (PLAIN OR PRO)**

(46320) Plain Panel: 1400 x 800 x 20mm for 16mm pipe.  
(46325) Pro Panel: 1400 x 800 x 20mm for 16mm pipe.



**Order Code: 44600**  
**UNDERPLATE**

200 x 1000mm plate for 16mm pipe.



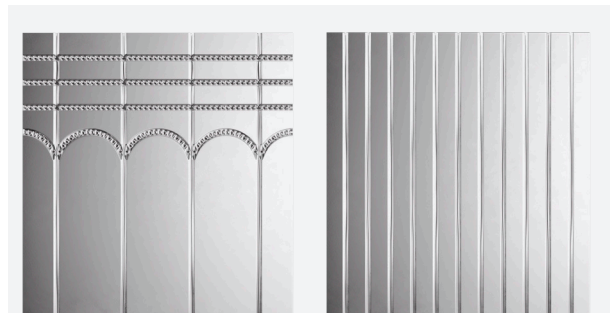
**Order Code: 46100**  
**AMBISOLO®**

Self-adhesive panel 1000 x 600 x 16mm  
(covers 0.6m<sup>2</sup>) for 12mm pipe.



**Order Code: 44520**  
**OVERPLATE**

390 x 1000mm plate for 400mm joists, 16mm pipe.



**Order Code: 46190**      **Order Code: 46191**  
**OVERDECK® 20**

(46190) 1200 x 600 x 20mm for 150mm centres.  
(46191) 1200 x 600 x 20mm for 50mm centres.

# SYSTEM PANELS



**Order Code: 46690**  
**JOFLOOR® BASE PANEL**

22mm T+G Chipboard foiled and grooved for 12mm pipe.  
2400 x 600 x 22mm



**Order Code: 46692**  
**LOFLOOR® BASE PANEL**

12mm MDF foiled and grooved for 12mm pipe.  
1200 x 600 x 12mm



**Order Code: 46691**  
**JOFLOOR® MDF TOP PANEL**

JoFloor® MDF top panel for use with JoFloor® base panels.  
For timber and carpet. 1200 x 600 x 6mm



**Order Code: 46693**  
**LOFLOOR® MDF TOP PANEL**

LoFloor® MDF top panel foiled and grooved for 12mm pipe.  
For timber and carpet. 1200 x 600 x 6mm



**Order Code: 46695**      **Order Code: 46696**  
**JOFLOOR® TILE TOP PANEL**

(46695) Tile top board for tiles and vinyl. 1200 x 600 x 6mm  
(46696) Tile top board for tiles and vinyl. 1200 x 600 x 8mm

# SYSTEM FIXINGS



**Order Code: 41531**  
**40MM NON-STICK SPEEDCLIPS**

Tacker clips 40mm (300 pieces). Use with 44005 SpeedGun.



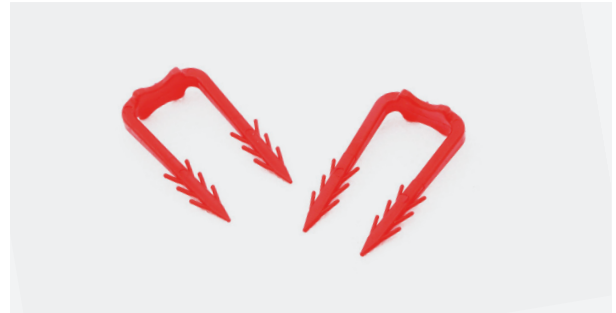
**Order Code: 41551**  
**60MM NON-STICK SPEEDCLIPS**

Tacker clips 60mm (300 pieces). Use with 44005 SpeedGun.



**Order Code: 41450**  
**AMBICLIP RAIL**

Cliprail length for 16mm pipe (1m).



**Order Code: 41506**  
**AMBICLIP CLIPS**

50mm Manual clips for AmbiClip systems (200pcs).



**Order Code: 41490**      **Order Code: 41500**  
**NAIL IN PIPE CLIPS**

(41490) Nail-in pipe clips for 12mm pipe (100 pieces).  
 (41500) Nail-in pipe clips for 16mm pipe (100 pieces).



**Order Code: 46750**  
**ZIP TIES**

Zip ties 200mm (100 pieces).

# SYSTEM FIXINGS



**Order Code: 46195**  
**AMBIDECK® WASHERS**

AmbiDeck® washers (100pcs) (Allow one bag per 6m<sup>2</sup>).



**Order Code: 46193**  
**AMBIDECK® SCREWS**

AmbiDeck® screws 4mm x 40mm (200pcs) (Allow one box per 12m<sup>2</sup>).



**Order Code: 41501**  
**CLOUT NAILS**

Clout nails 25mm (approximately 400 pieces).



**Order Code: 92004**  
**ALUMINIUM FOIL TAPE**

50m aluminium foil tape (for use with OverDeck products).



**Order Code: 46815**  
**AMBIENTE TAKKA TAPE (75MM)**

Printed floor tape to indicate 50mm spaces for uniform pipe spacing - used for screeded floor systems.



**Order Code: 41621**      **Order Code: 41641**  
**BORDER EDGE INSULATION (50M)**

(41621) Border edging insulation: 120mm High x 8mm Thick  
(41641) With polythene skirt: 120mm High x 8mm Thick

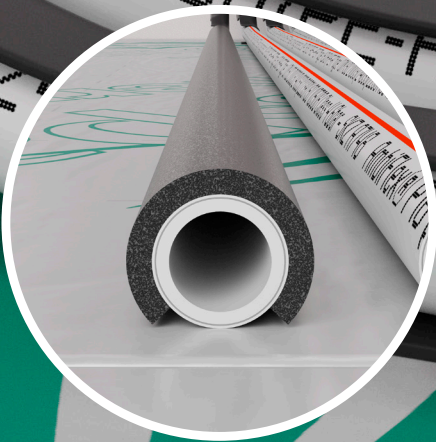
# TAIL TAPE

TailTape is a self-adhesive foam insulation tape which is used to insulate the underfloor heating pipes as they travel to/from the room they will serve.

We advise insulating both the flow and return pipe.



SCAN TO FIND  
OUT MORE ABOUT  
THE TAILTAPE



# PIPE INSULATION AND BENDS



**Order Code:** 46810

## TAILTAPE

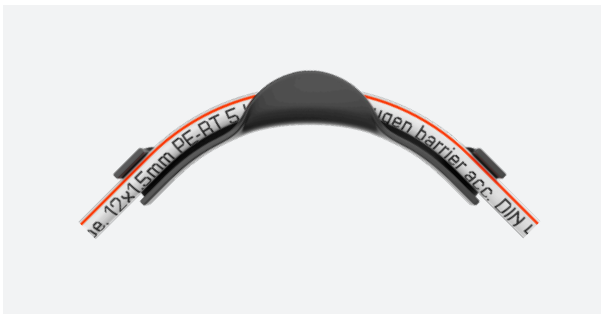
45mm x 3mm x 20m self-adhesive tail pipe insulation.



**Order Code:** 46800

## SPLIT FLEX CONDUIT

For 16mm pipe 50m roll (used to protect pipework on expansion joints or insulate tail pipework).



**Order Code:** 41041

## OPEN BEND FOR 12MM

Black open pipe bend for 12mm pipe.



**Order Code:** 41061

## OPEN BEND FOR 16MM

Black open pipe bend for 16mm pipe.



**Order Code:** 41040

## CLOSED BEND FOR 12MM

White closed pipe bend for 12mm pipe.



**Order Code:** 41050

## CLOSED BEND FOR 16MM

White closed pipe bend for 16mm pipe.

# MAINTAINS BALANCE FOR A LIFETIME

Imagine never having to go back to a fit? AmbiEgo® is designed specifically to maintain a constant flow rate driven by A.I., meaning once it's on, you're gone.

## AMBIEGO® BENEFITS



5-Year warranty



Maintains balance for a lifetime



Perfect hydraulic balance



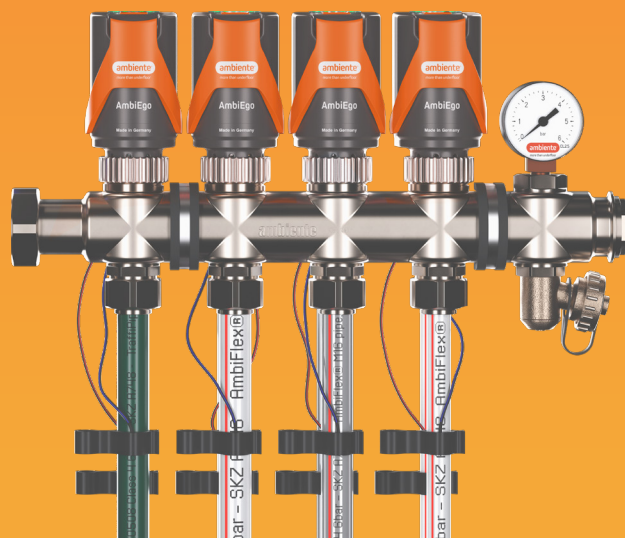
Intelligent self learning system



Eliminates the human factor



SCAN TO FIND  
OUT MORE ABOUT  
THE AMBIEGO®





**Order Code: 43024**  
**AMBIGEO® SELF BALANCE ACTUATOR**

Intelligent (AI) Self-balancing manifold actuator.



**Order Code: 43018**  
**230V ACTUATOR**

230V manifold actuator.



**Order Code: 43021**  
**24V ACTUATOR**

24V manifold actuator.



**Order Code: 43168**  
**UB10SPIN® V2**

230V wiring centre for up to 10 zones. With unique spin feature to cycle the pump in periods of non activity preventing the pump from getting stuck.



**Order Code: 43167**  
**UB10 V3**

230V wiring centre for up to 10 zones.

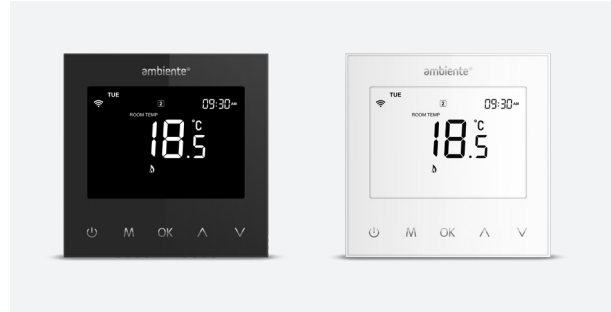
# THERMOSTATS AND ACCESSORIES



**Order Code: 43521**

## LUNASTAT V2

230V digital/programmable thermostat or timer.



**Order Code: 43533**

**Order Code: 43531**

## LUNATOUCH WIFI BLACK/WHITE

230V WiFi thermostat/timer, works with SmartLife app. Black (43533)/white (43531).



**Order Code: 43674**

## BUTTON SENSOR ON BACK PLATE

(43672) White button sensor (No back plate).  
(S00117) Stainless steel sensor (No back plate).



**Order Code: 43640**

**Order Code: 43670**

## THIMBLE SENSOR

Thimble sensors to be mounted in back box or joinery, available in white (43640) or stainless steel (43670).



**Order Code: 43560**

## SENSOR PROBE

Sensor probe for use with floor temperature sensing (3m).



**Order Code: 52670**

## CONDUIT

Conduit for use with 43560 sensor probe (3m).

# COMPOUNDS AND ADHESIVES



**Order Code: 47520**  
**AMBIFIBRE PRO**

Fibre reinforced levelling compound. Compatible with all Ambiente systems. 1 bag at 6mm thickness will cover 2.1m<sup>2</sup>.



**Order Code: 47200**  
**UNIVERSAL PRIMER**

Blue coloured primer for preparing subfloors before AmbiFibre Pro is applied. 5ltr bottle covers 150m<sup>2</sup>.



**Order Code: 47100**  
**AMBIBOND**

Polymer adhesive for bonding boarded products SB200 (17kg - covers approx 15m<sup>2</sup>).



**Order Code: 47099**  
**PVA ADHESIVE**

Universal PVA wood glue - 1kg bottle.



**Order Code: 47120**  
**DECKBOND SPRAY ADHESIVE**

A high-grab spray adhesive for bonding UFH panels to EPS & XPS boards on timber deck, screed or concrete.

**Order Code: 47130**  
**DECKBOND CHROME SPRAY GUN**

Long wand adjustable chrome spray gun with brass 9501 tip.

**Order Code: 47131**  
**DECKBOND BLACK HOSE - 4M**

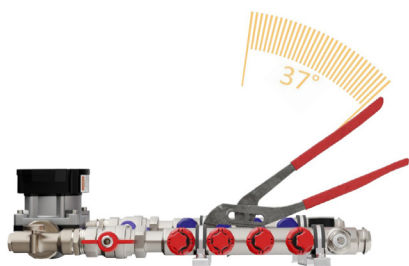
4m black rubber hose 7/16" JIC x 1/4" NPSM.

**Order Code: 47133**  
**DECKBOND SPRAY TIP**

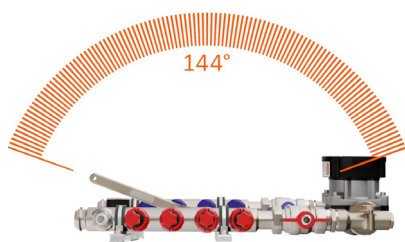
9501 spray tip for DeckBond Chrome Spray Gun (47130).



# NEW PRODUCT: SPEED SPANNER 30



**YOUR REGULAR WRENCH**



**THE AMBIENTE SPEEDSPANNER30**

## WIDER REACH FOR SHORTER INSTALLATION TIME

Designed for professionals, to be used with Ambiente stainless steel manifolds, this revolutionary spanner saves you time.



### LIFETIME WARRANTY

If your SpeedSpanner 30 breaks,  
we will replace it.

# PROFESSIONAL INSTALLER TOOLS



**Order Code: 44405**  
**SPEEDSPANNER 30 AND TETHER**

SpeedSpanner for M30 Ambiente manifold couplers.



**Order Code: 44412**  
**PROCUT 26**

Professional AL/PE-RT and PE-RT pipe cutters with rollers to get the perfect cut.



**Order Code: 44005**  
**SPEEDGUN**

Professional SpeedGun for non-stick staples 40mm and 60mm.



**Order Code: BOM 44200**  
**SLIMPUL® TOOL KIT**

SlimPul® toolkit, comes with expanders for P16, T16, P12 and M16.



**Order Code: 44111**  
**AMBIFLEX® PIPE DECOILER**

AmbiFlex® pipe decoiler with bag.