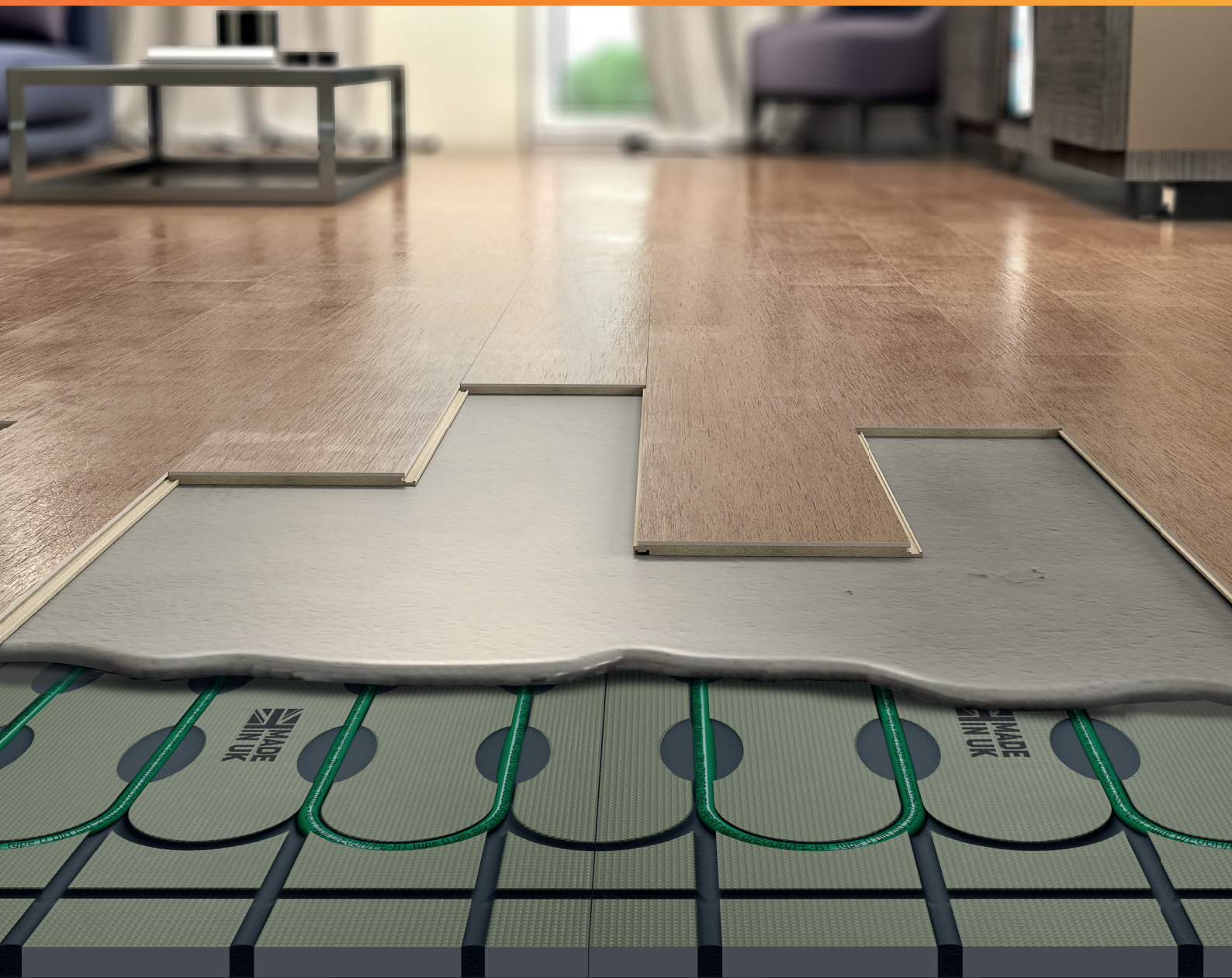


ambiente®

more than underfloor

AMBIDECK® 20 PRO

PRODUCT GUIDE



POWERFUL PERFORMANCE MEETS SPACE-SAVING DESIGN

RETROFIT SYSTEM

AMBIDECK® 20 PRO



About the AmbiDeck® 20 Pro

The AmbiDeck® 20 Pro is a high-performance, low-profile underfloor heating system with integrated insulation, offering a total build-up of just 20mm. Its unique patent-pending lozenge-shaped design enables high heat output and efficient coverage.



Highest performance

High thermal insulation material (+10% thermal value) over the traditional AmbiDeck® models



20mm deep

Thin 20mm profile for low build-up projects



Tile directly

Tiling can be laid directly over the system



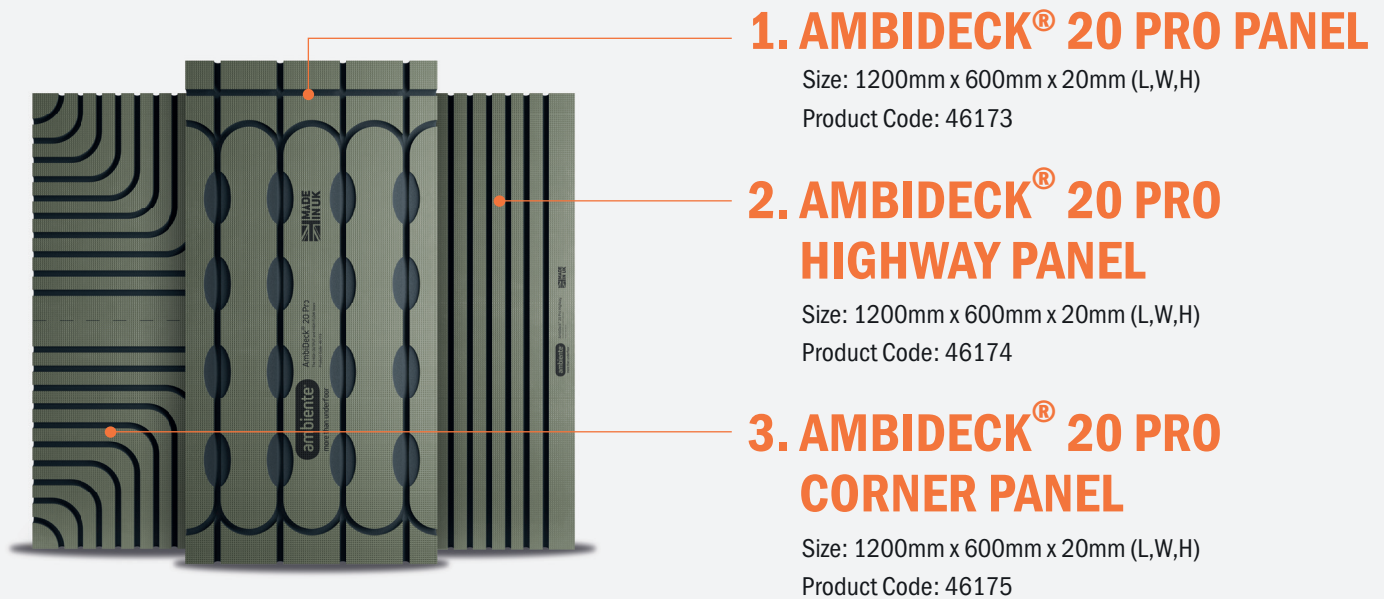
High flow

16mm pipe compatibility



UNIQUE THERMAL DISTRIBUTION

The AmbiDeck® 20 Pro, unique lozenge shaped profile allows the levelling compound to surround the pipe giving greater output by +10%.



INSTALLATION STEPS

STEP 1

Ensure the working area is swept, clean and stable. Concrete surfaces should be primed for best adhesion. The floor should be flat and level.

STEP 2

Lay an even bed of flexible tiling adhesive across the area prior to laying the AmbiDeck® 20 panels. If a timber subfloor then screw down the boards using AmbiDeck® Screws and Washers. 12x fixings per board.

STEP 3

Lay the AmbiDeck® 20 Pro panels down across the entire area, making sure that the radius return falls in the correct place at the end of each room. Wait for the adhesive to dry prior to proceeding with the next step.

STEP 4

Fit the UFH pipework down into the panels, following the pipework layout on the UFH design supplied.

STEP 5

Tiling can be laid directly over the system - we recommend priming the boards with a tiling primer, as well as filling any gaps with flexible tiling adhesive.

If laying carpet/vinyl/wooden floor, we recommend a minimum of 6mm levelling compound over the top of AmbiDeck® 20 Pro.

TECHNICAL DATA

| | |
|-----------------------|------------------------------------|
| Panel thickness | 20mm |
| Pipe centres | 150mm |
| Pipe channel diameter | 16mm |
| Compressive strength | 300 kPa |
| Thermal conductivity | 0.031 W/mk |
| Fire performance | Euro class E |
| Weight | 4.1 kg/m ² (dry weight) |



AmbiFibre Pro

A flexible, fibre-reinforced, rapid-setting levelling compound with excellent flow. Ideal for depths of 3–40mm in a single pour and perfect for AmbiDeck® 20 Pro.

OUTPUT DATA

| Mean water temp (°C) | Pipe diameter (mm) | Pipe spacing (mm) | Output W/m ² (0 tog/tile) | Output W/m ² (0.5 tog/vinyl) | Output W/m ² (1.5 tog/carpet) |
|----------------------|--------------------|-------------------|--------------------------------------|---|--|
| 35 | 16 | 150 | 72 | 64 | 52 |
| 40 | 16 | 150 | 96 | 85 | 69 |
| 45 | 16 | 150 | 120 | 106 | 87 |

OUTPUTS AT 20°C ROOM TEMPERATURE

PIPE LOOP LENGTHS

| Pipe diameter (mm) | Maximum length per loop (m) | Maximum loop area (based on 150mm centres) |
|--------------------|-----------------------------|--|
| 16 | 120 | 18m ² |

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**Need help with product
information, don't hesitate
to contact our team**

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