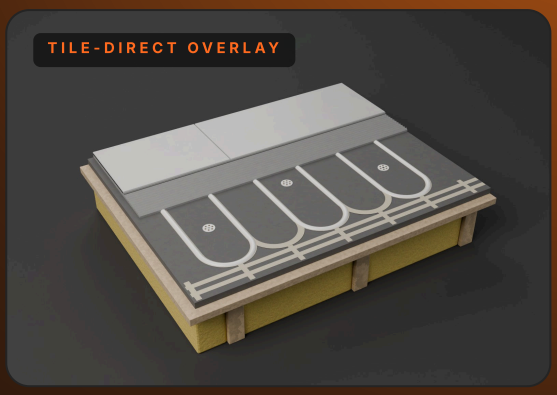
MAXHEATDECK CEMENT-FACED ROUTED XPS BOARD

Tile direct, no screed needed.

A low-profile routed XPS board with a fibre-reinforced cement face, made to tile straight onto. Fix it to a flat concrete or timber subfloor, press 16mm pipe into the grooves and tile.

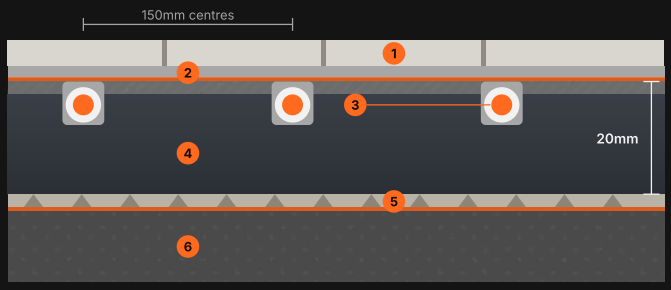
CODES

MaxHeatDeck-20 Serpentine · **MaxHeatDeck-20-S** Straight



20 mm	0.72 m²	150 mm	16 mm	300 kPa
BOARD BUILD-UP	1200 X 600MM PANEL	PIPE CENTRES	PERT-AL-PERT OR PERT-EVOH	XPS CORE

BUILD-UP, NOT TO SCALE



Primer coats shown in orange: board underside and subfloor, then board tops and pipe.
On timber, each board is also screwed with washers at 300mm centres.

01 · THE SYSTEM, TOP DOWN

1. **Tiles or floor finish**
   Flexible tile adhesive and grout, or compound first
2. **Flexible tile adhesive, fully bedded**
   Over primed board tops and pipe (primer 3:1)
3. **16mm pipe in the grooves**
   150mm centres, pressure tested before finishing
4. **MaxHeatDeck 20mm board**
   Cement face with fibreglass mesh on a 300 kPa XPS core
5. **Flexible tile adhesive bed, 3 to 5mm**
   8 to 10mm notched trowel, board underside primed
6. **Primed, flat subfloor**
   Concrete, cured screed, structural ply or cement fibreboard

02 · IN THE BOX

What you get

- MaxHeatDeck boards, 1200 x 600 x 20mm
- Serpentine or straight highway boards
- 8 boards per box, sold individually

03 · YOU WILL NEED

Tools and materials

- Knife or saw, straight edge, tape measure
- Brush or roller for primer
- 8 to 10mm notched trowel
- Screwdriver, screws and washers (timber floors)
- Pressure test pump

04 · SAFETY

Before you start

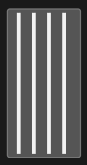
- Installation by a competent installer, in line with the system design and BS EN 1264.
- Wear a dust mask and eye protection when cutting boards, and gloves for adhesives, primers and compounds.
- Follow the instructions and safety data sheets for every primer, adhesive and compound used.

05 · PLAN THE LAYOUT

Two boards, one system



Serpentine
MaxHeatDeck-20. Grooves with return loops, laid across the heated area.



Straight
MaxHeatDeck-20-S. Highway board, no returns, for flow and return runs to the manifold.

SUITABLE SUBFLOORS

Concrete, 6 weeks min · Cured screed · Structural ply · Cement fibreboard

OLD FLOORBOARDS

Overlay with ply or cement board, screwed at 150mm centres, before laying boards.

07 · INSTALLATION

Eight steps, subfloor to tiles.

PREPARE · BOND · PIPE · FINISH

1 Check the subfloor — PREPARE

Make sure it is flat and level. Overlay old floorboards with ply or cement board, screwed at **150mm centres**. Clean off dirt, grease and dust.

2 Dry lay to the pipe layout — PREPARE

Serpentine boards across the heated area, straight boards as the highway for flow and return runs to the manifold. Number each board with a marker pen.

3 Prime boards and subfloor — BOND

Prime the underside of the boards (primer diluted **3:1**) and let it dry, about **1 to 2 hours**. Prime the subfloor while they dry.

4 Bed the boards — BOND

Spread flexible tile adhesive with an **8 to 10mm** notched trowel to a **3 to 5mm** bed and press the boards firmly into it.

5 Screw down on timber — BOND

On timber, also fix each board with screws and washers at **300mm centres**. Let the adhesive cure before walking on the boards.

6 Lay and test the pipe — PIPE

Clean out the grooves, press the **16mm pipe** in and pressure test it before anything covers it.

7 Prime the tops — PIPE

Prime the board tops and the pipe (**3:1**) and let it dry.

8 Tile or level — FINISH

Tile direct with flexible tile adhesive (fully bedded, **24 hours** cure) and flexible grout, or pour a levelling compound first.

08 · FLOOR FINISHES

What goes on top

Tiles and stone	Direct onto the primed board in flexible adhesive with flexible grout, or over 6mm of levelling compound
Vinyl	Over 10mm of levelling compound
Engineered wood	Over 10mm of levelling compound
Carpet	Over 10mm of levelling compound, 2.5 tog or less including underlay

09 · TESTING AND FIRST HEAT-UP

Test, record, then warm up slowly

- ☑ Pressure test the pipework before any tiles or compound go down, to BS EN 1264
- ☑ Record the test pressure, duration and result for the handover



10 · WORKS WITH

- 5-Layer PERT-EVOH UFH Pipe 16mm
- Ultra Prime IT Multi Surface Primer
- MaxHeatUFH manifolds
- MaxHeatPanel routed XPS board, 12mm pipe
- Overlay boards

ORDER CODES

Serpentine	MaxHeatDeck-20
Straight	MaxHeatDeck-20-S

11 · HOW MANY BOARDS

Each board covers 0.72m²

FLOOR AREA	BOARDS	PIPE, APPROX
5m²	7	33m
10m²	14	67m
15m²	21	100m
20m²	28	133m
30m²	42	200m
40m²	56	267m
50m²	70	333m

Area ÷ 0.72, rounded up, before cuts. Pipe at 150mm centres is about 6.7m per m², plus tails to the manifold.

SCAN ME

Watch how it works and fits

Point your phone camera at the code to watch the video.

QUESTIONS ON SITE?

sales@maxheatufh.com

07539 499069

WEB

maxheatufh.com

DELIVERY

Order by 12pm for next working day delivery