



Timber Suspended – From Below Plates Floor Construction – FC2 D&E

KEY BENEFITS >>>

- > Ideal where installing from above is not possible.
- > Lightweight system, used in applications where increasing weight on floor joists is to be avoided.
- > No increase in floor height.
- > Suitable for all floor finishes.

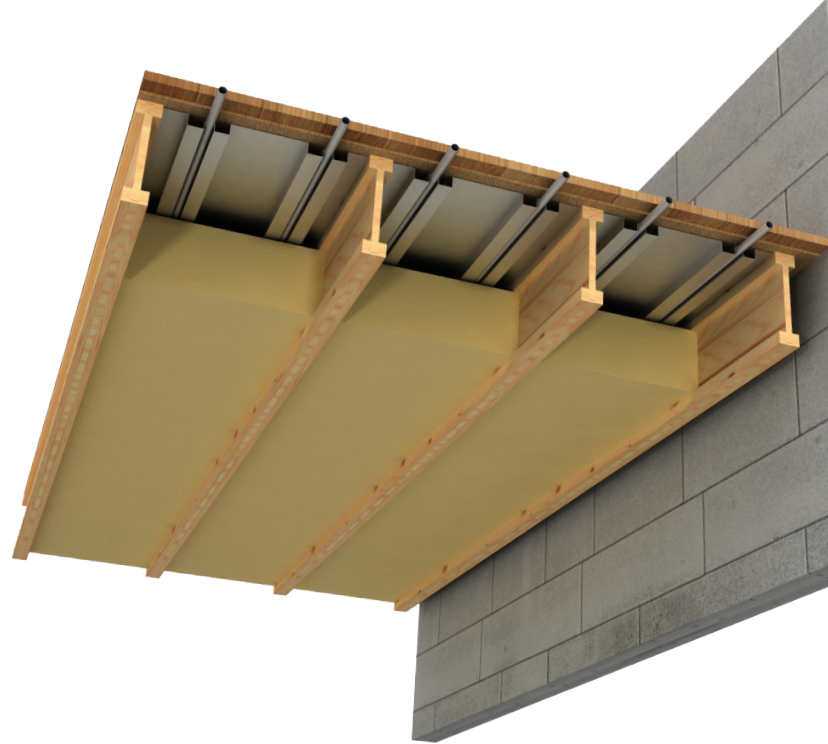
OVERVIEW >

In some circumstances floor joists may be inaccessible from above making it difficult to install underfloor heating pipework without raising the floor height. To overcome this and make the installation as easy as possible the fit from below heat emission plates can be fixed to the underside of the decking from the floor below.

FlexiPex 16mm underfloor heating pipework can be pulled along the joists and clipped into specially formed grooves in the plates. The plates are designed for 400mm centre joists and hold the UFH pipe at 200mm centres, to give an equivalent output to standard heat emission plates.

As with standard plates it is also essential that insulation is installed between joists as close to the underside of the plates as possible. Insulation should conform to all relevant parts of the Building Regulations.

- Best suited for FlexiPex 16mm Pipe
- Maximum Output :- 70w/m²
- Flow Temperature :- 45 – 58°C
- BS EN 1264 Design on request.



✓ LUXUSHEAT FROM BELOW PLATE 1000X310X0.7MM TSHPB310

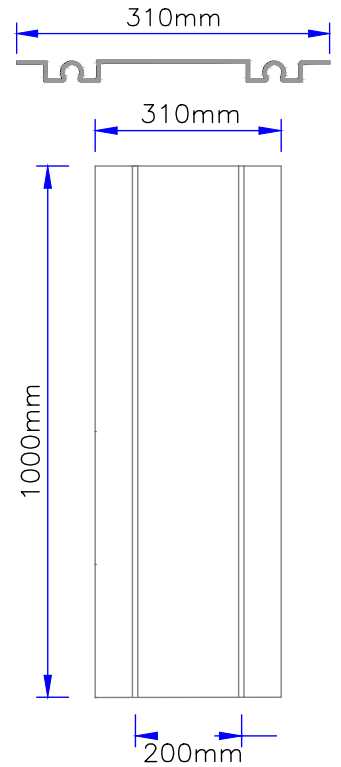
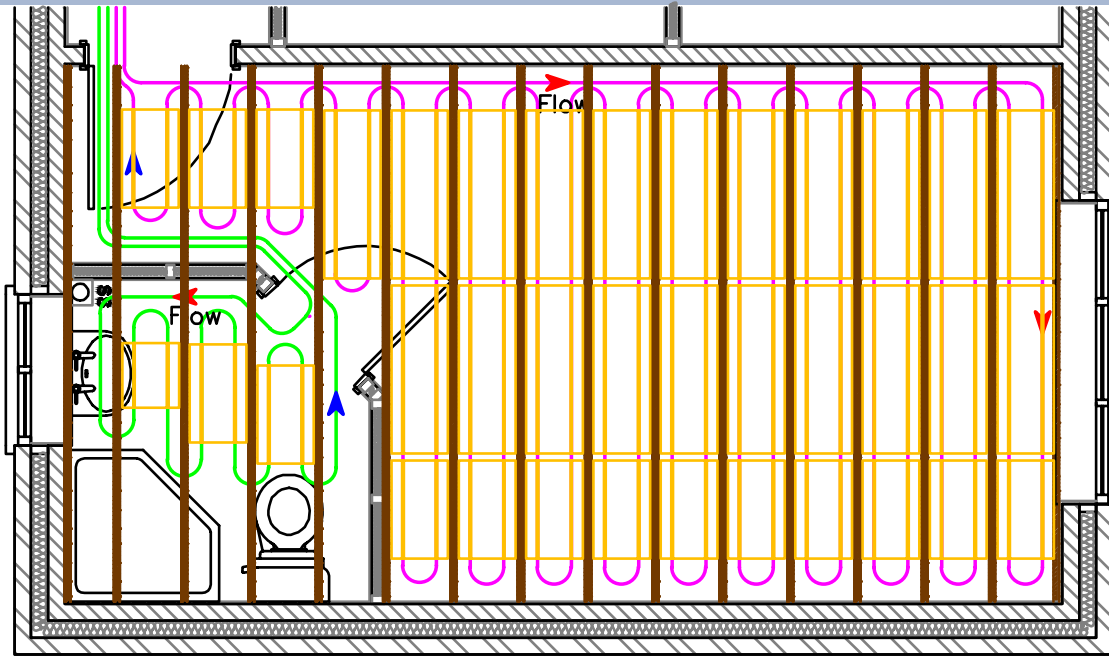


< PRODUCT LIST

PRODUCT	QTY	PRODUCT CODE
Luxusheat From Below Plate (1000x310x0.7mm)	1	TSHPB310
Luxusheat From Below Clip 16mm	Box of 50	TSHPBClip

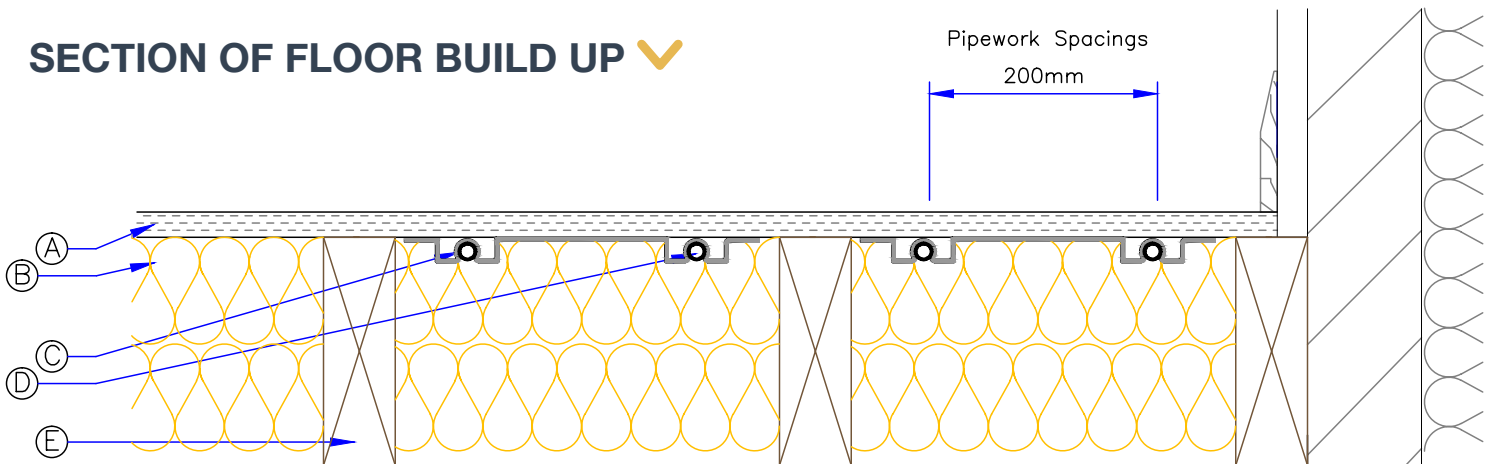


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PLAN VIEW

SECTION OF FLOOR BUILD UP



A > Floor Finish.

B > Insulation - On intermediate floors with heated rooms below an insulation resistance of $0.75\text{m}^2 \text{ k/W}$ is required to comply with BS EN 1264.

C > Aluminium Heat Emission Plate (310 x 1000 x 0.7mm)
Stapled to underside of floor covering Plates are designed for 400mm c/c Joists & to be fitted from below.

D > UFH Pipe - FlexiPex 16mm Heating Pipework laid at 200mm centres unless specified in quotation and laid approximately 100mm away from walls.

E > Joist - type may vary - Posi joist/web joist/traditional. (Traditional joist shown)

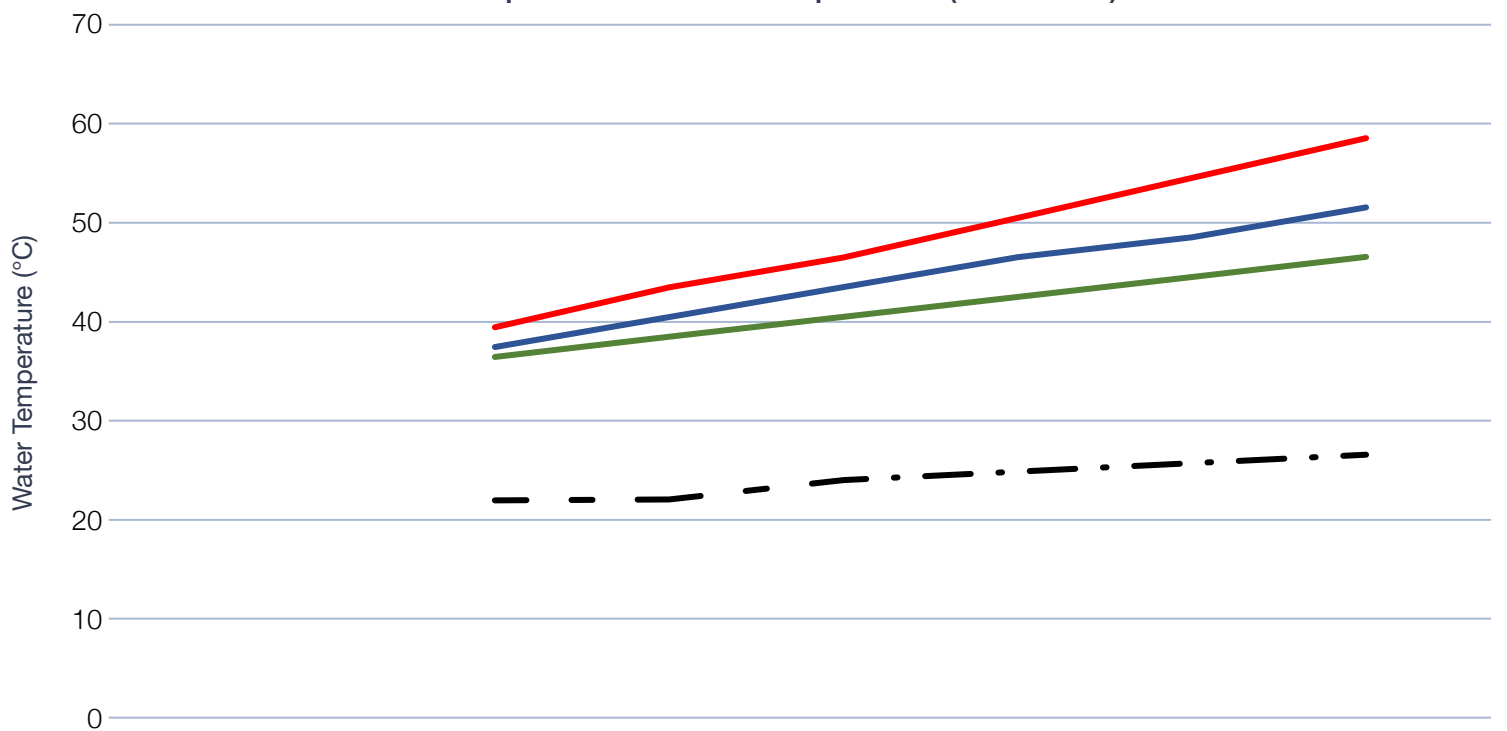


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OUTPUTS/WATER TEMPERATURES & FLOOR COVERINGS >

The available output of the system will vary depending on the overall resistance of the floor finish. Based on a design room temperature of 20°C & 7.5K ΔT. The table below is for guidance only and actual outputs and temperatures may vary.

Heat output / Flow water Temperature (Heat Plate)



Output w/m²

	20	30	40	50	60	70
Tile / Stone	37	39	41	43	45	47
Laminate / Vinyl	38	41	44	47	49	52
Carpet	40	44	47	51	55	59
Floor Temp	22	22	24	25	26	27