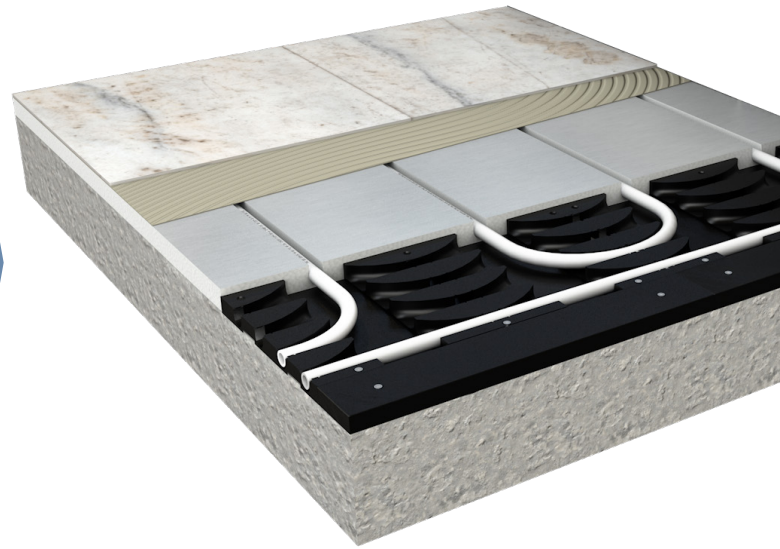




Overboard - Heavy Floor Construction - FC4 A

KEY BENEFITS >>>

- > Low Profile only 18mm increase in floor height
- > Ideal for refurbishments, extensions, and conservatories
- > Ideal for upper floors where Posi-joists or I-joists are installed
- > Low profile means a fast response time
- > High efficiency due to low resistance value
- > Tiles can be fitted directly on top
- > Ideal for timber frame buildings
- > Dry construction – no levelling compounds/wet trades are required.
- > End returns come complete with feeder runs for easier installation



< OVERVIEW

The Overboard heavy system is a low profile dry underfloor heating system that has been designed so any increase in floor height is kept to a minimum. The total height of the underfloor heating system is 18mm including the 12mm FlexiPex pipe and is installed over the top of existing floors. For example, it is ideal for timber frame buildings where the floor deck has already been installed or when original floor boards are not being taken up in refurbishments.

The Overboard Heavy system is ideal to use with heat pumps as the cement board is low in resistance meaning water temperatures can be kept low.

PRODUCT LIST >

Overboard Heavy

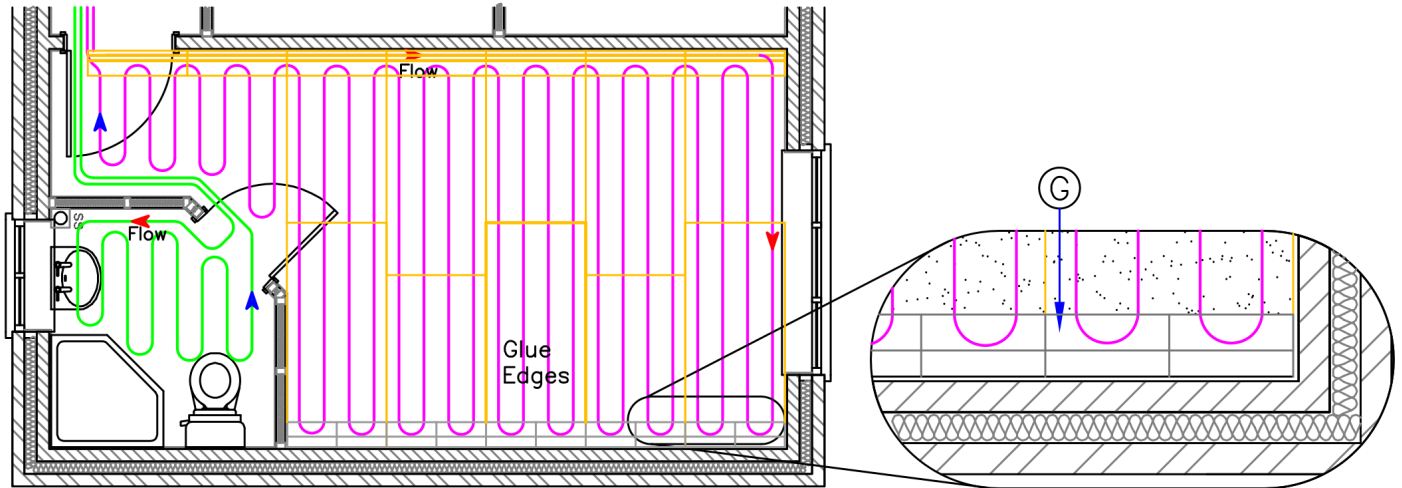
SIZE	QTY	PRODUCT CODE
Luxusheat Overboard Straight (800x600x18mm)	1	OBST68
Luxusheat Overboard Return (300x320x18mm)	1	OBSTWMB18R
Luxusheat Overboard Glue	1	GLUE

Technical Data

- 800x600x18mm Gypsum Based Fibre Board
- Maximum Outputs - 100 w/m²
- Flow Temperature - 40 - 55°C
- Panel Weight - 9.8kg
- Thermal Conductivity - 0.32 W/mk

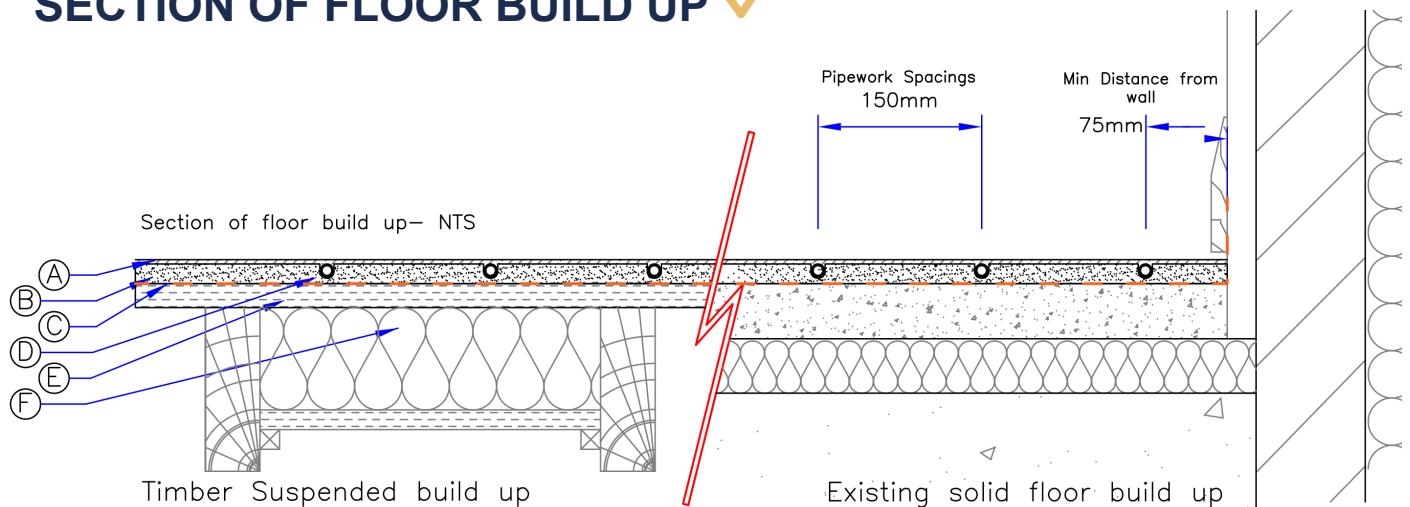


Overboard - Heavy Floor Construction - FC4 A



PLAN VIEW ^

SECTION OF FLOOR BUILD UP v



- A > Self-levelling Compound** Covering +/- 4mm (Not required if tiling direct on to overboards)
- B > Fibre Cement Board** (800 x 600 x 18mm) - Laid on flat surface and glued along edges, any variances in floor should be levelled using appropriate self levelling screed.
- C > Vapour barrier** - to prevent self levelling screed slipping through gaps in the sub-floor.

- D > UFH Pipe** - Lux FlexiPex 12mm Heating Pipework laid at 150mm centres in pre-grooved slots and laid approximately 75mm away from walls.
- E > Existing floor build up.**
- F > Insulation** - To maximise performance insulation to be laid between existing joists.
- G > Pipe end return** screwed to existing floor.

Gypsum Fibre Boards in heated areas only make up floor level differences with 18mm ply / chipboard. e.g. under kitchen units, baths and showers.



Overboard - Heavy Floor Construction - FC4 A

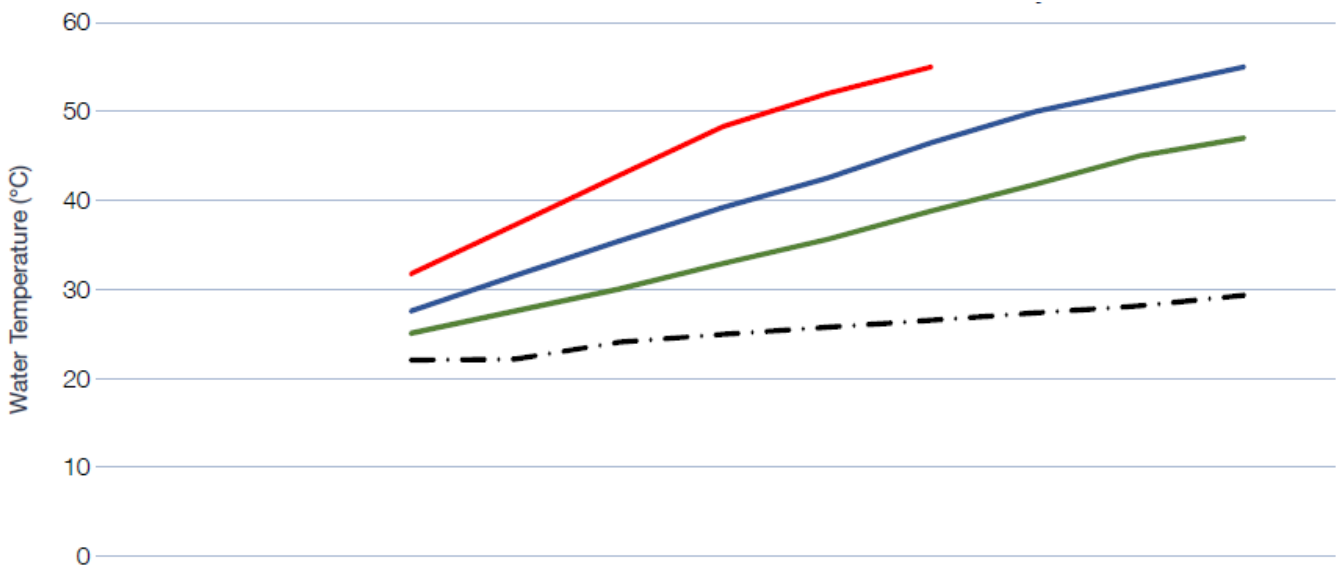
OUTPUTS/WATER TEMPERATURES >

The available output of the system will vary depending on the overall resistance of the floor finish. The table below is for guidance only and actual outputs and temperatures may vary slightly.

FLOOR FINISHES >

The table below summarises acceptable thermal resistance for typical floor finishes adhering to the BS EN 1264 Part 2. Tog value is a textile industry measure of thermal resistance 1 tog = 0.10m² K/W

Heat output / Flow water Temperature (Overboard Heavy)



	Output w/m ²										
	20	30	40	50	60	70	80	90	100		
Tile / Stone	25	28	30	33	36	39	42	45	47	Water Temp (°C)	
Laminate / Vinyl	28	32	35	39	43	47	50	53	55		
Carpet	32	37	43	48	52	55	-	-	-		
Floor Temp	22	22	24	25	26	27	27	28	29		



Overboard - Heavy Floor Construction - FC4 A

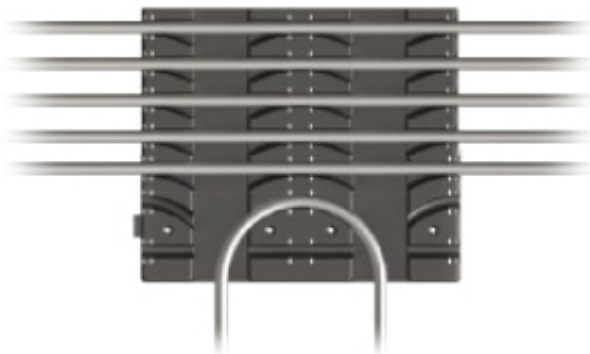
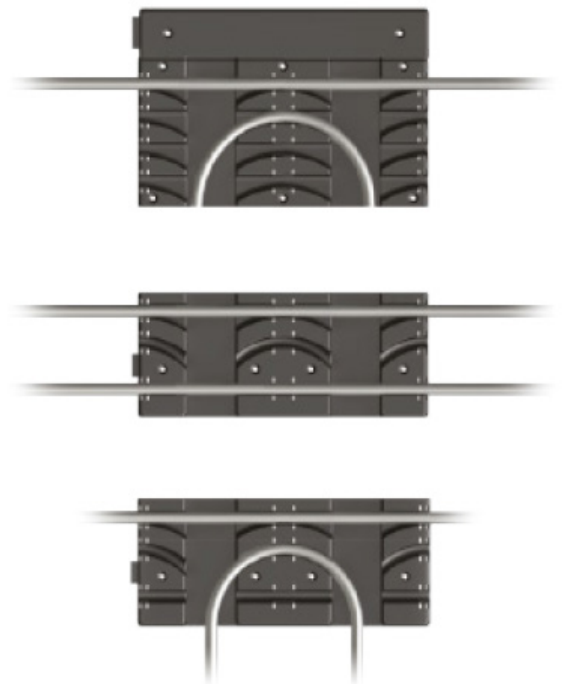
END RETURNS >



**Multifunctional solution
to over floor heating
installations**

FEATURES & BENEFITS >>>

- > Self-Retaining pipe locking system
- > Multiple flow and return channels, enabling the installation of larger areas.
- > Non continuous return allows flexible entry points to the board.
- > Interlocking panels enabling a secure base.
- > Multiple snapping points offering a flexible pipe routing system between rooms.
- > Dimensions - 320mm x 300mm.



< OVERVIEW

A Full "Over Floor" multifunctional pipe and floor covering support. Ideal for both existing and new build applications.



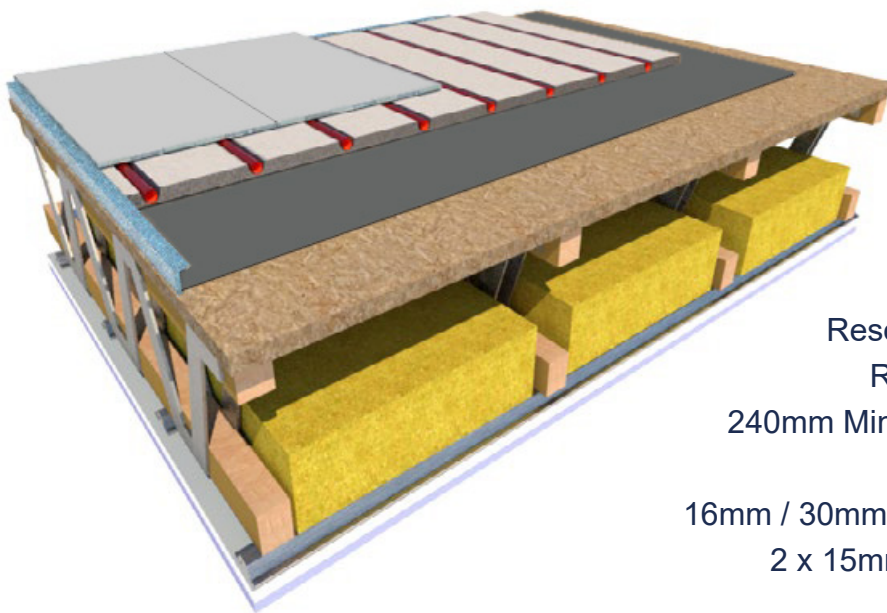
Overboard - Heavy Floor Construction - FC4 A

OPTIONAL ACOUSTIC LAYER >

When using the Overboards in separating floor applications we recommend installing 6mm ResoRubber BASE below the underfloor heating system. This will help to achieve part E of the building regulations for impact and airborne sound.

L' profiles should be installed around the perimeter of each room to isolate the floating floors from coming into contact with the walls and skirting boards.

A nominal +/- 4mm levelling compound should be used to cover the system once installed to give a consistent level of mass across the completed floor.



Floor Finish
Overboard Heavy
ResoEdge L Perimeter Strip
ResoRubber BASE 6mm
240mm Minimum timber floor joists
100mm Mineral wool
16mm / 30mm ResoBar Resilient bars
2 x 15mm acoustic plasterboard

ACOUSTIC DATA

Overboard Heavy

Airborne Sound Performance DnT,w + Ctr	50dB
Impact Sound Performance LnT,W	59dB