



System Overview

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

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 about 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 subfloor layers for maximum heat output.

Key Features

- **For joisted floors** - Ideal for timber joist or battened floor systems
- **Aluminium plates** - Cover ~80% floor area, suitable for straight pipe runs
- **High heat transfer** - Reflective plates push heat upward through the subfloor

PERFORMANCE SPECIFICATION		
20°C ROOM TEMPERATURE AT MWT OF 45°C AND 0 TOG		
HEIGHT (MM)	WEIGHT (KG/M ²)	OUTPUT (W/M ²)
0	3	70*

Tested in accordance with BS EN1264-2:2021
 * 200mm pipe spacings