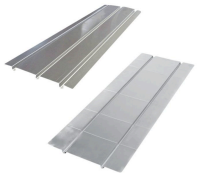
Aluminium Heat Diffuser Plate

Spreader plate for joisted floors

Code: MH-AHDP-1, MH-AHDP-2, MH-AHDP-3



In the box

- 1 aluminium plate

You will need

- Battens and rigid insulation board
- Screws or nails
- Tin snips or saw to trim plates
- Drill and saw for joist notches
- Gloves

Safety

- Installation should be carried out by a competent installer, in line with the system design and BS EN 1264.
- All joist notching and drilling must meet Building Regulations Part A; ask a structural engineer if in doubt.
- Aluminium plate edges can be sharp: wear gloves and take care on open joists.

Installation

1. Fix a batten to each side of the joist and lay at least 50mm of rigid insulation on the battens, so the plate sits level with the top of the joists.
2. Check the pipe layout and manifold position against the joists on site.
3. Lay the first plate, starting at least 250mm from the wall to leave room for the pipe to turn through a notch. Screw or nail it in place.
4. Carry on laying plates with at least a 5mm gap between ends and edges. Never overlap plates.
5. Fill joist bays with no pipe using insulation board.
6. Notch or drill the joists where the pipe crosses them; all notches and holes must meet Building Regulations Part A.
7. Lay the pipe from the manifold in a serpentine pattern, pressing it into the channels.
8. Lay the floor deck so it sits directly on the plates with no air gaps.

Testing and commissioning

- ✓ Pressure test all loops to BS EN 1264 before the floor deck goes down.
- ✓ Check every plate is in full contact with the deck: air gaps cut the heat output.

Care and maintenance

- Plate edges can be sharp. Wear gloves when handling and cutting.