

Foil System

Emitter and insulation in one

Our Foil range delivers exceptional heating performance when the customer is supplying their own floor deck.

FoilBoard, FoilBatten and FoilFloat systems provide excellent heating performance and fast warm up times without creaking or noise common with rigid (diffuser) plates. They also come with the insulation layer built in and are designed to fit directly into the floor construction with no change to the overall floor build up. All the foil systems are designed for when the floor deck is being provided by others as part of a new build or retrofit project.

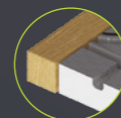
FoilBoard p 40-41
Insulation & heat diffuser in one, for suspended floors and where others are supplying the floor deck.

FoilBatten 25/50 p 42-43
Insulation & heat diffuser in one, for battened floors and where others are supplying the floor deck.

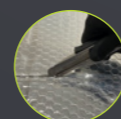
FoilFloat 25 p 44-45
Insulation & heat diffuser in one, for floating floors and where others are supplying the floor deck.



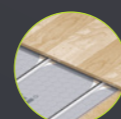
AL HEX Diffuser
Fully foiled AL HEX heat diffuser to maximise heat output and fast warm up times.



Built-in Insulation
Reduces installation time and eliminates need for subfloor to be insulated.



Easy Cut & Trim
Straightforward to cut and trim on site, speeding up installation time.



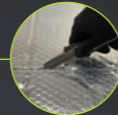
Deck to Deck Design
Designed to be in direct contact with the floor deck.



No Warm Up Noise
No noise on heat up and cool down due to no use of rigid plates.

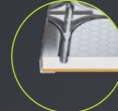


AL HEX Diffuser
Fully foiled AL HEX heat diffuser to maximise heat output and fast warm up times.



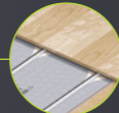
Easy Cut & Trim
Straightforward to cut and trim on site, speeding up installation time.

Built-in Insulation
Reduces installation time and eliminates need for subfloor to be insulated.

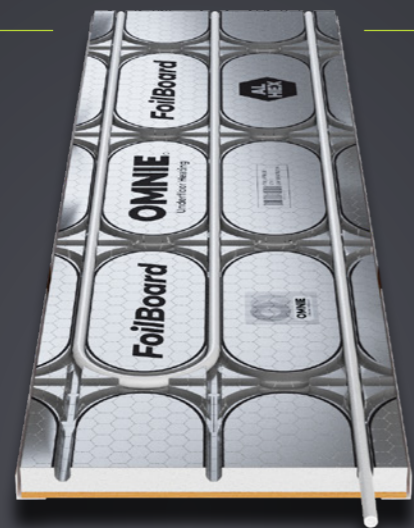


In-Construction Profile
Fits neatly into the floor construction without any additional build up.

No Warm Up Noise
No noise on heat up and cool down due to no use of rigid plates.



Deck to Deck Design
Designed to be in direct contact with the floor deck.



Suitable for timber suspended floors at 400mm centres.



OMNIFLO 12mm pipe

FoilBoard® panel

Floor joist*

FoilBoard® bracket

Construction Information:
Product is shown in a standard UK floor construction. Areas highlighted with an asterisk (*) are designed and specified by others.

For Timber Suspended Floors

FoilBoard®

Insulation & heat diffuser in one, for suspended floors.

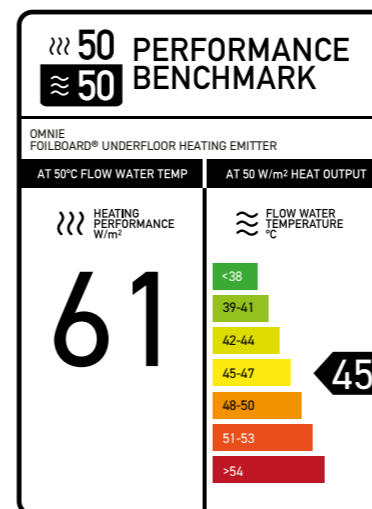
FoilBoard® from OMNIE is an underfloor heating panel for timber suspended floors. Manufactured by OMNIE, the panel is made from insulation with a soft temper aluminium heat diffuser pre-bonded to the surface making it easier to trim than rigid plates as well as removing the clicking and creaking that comes from plates when they warm-up. 'L' shaped brackets can be supplied which leave the top of the joist free for fixings as well as ensuring the panel is in direct contact with the floor improving the heat output, often a problem with thick aluminium diffuser plates.



Watch product features video.



Watch product installation video.



50/50 Performance Benchmark Testing Information can be found at: www.omnie.co.uk/5050

Documents

TPG-UFFB0126-0124



Visit our resources finder to download technical guides.

This system is made up of the following components;

- UFFB0126 FoilBoard panel
- UPI2xxxx* OMNIFLO Pipe
- UFF0125 FoilBoard Angle Bracket

*Product (code) as required depending on coil length required.

Specifications

Panel thickness:
25mm

Weight with water:
1.5 kg/m²

Suitable for:
Suspended timber or batten floors with centres up to 400mm

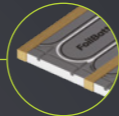
Pipe centres:
133mm using 12mm pipe

Dimensions:
340mm x 1200mm

AL HEX Diffuser
Fully foiled AL HEX heat diffuser to maximise heat output and fast warm up times.

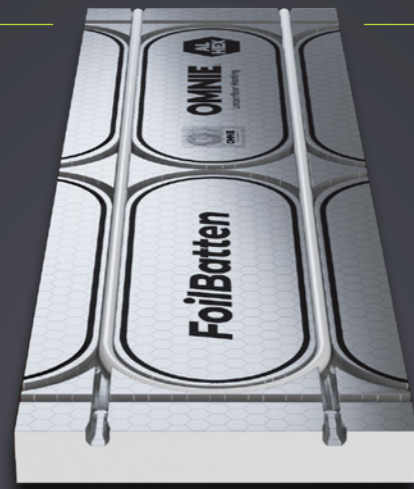


Deck to Deck Design
Designed to be in direct contact with the floor deck.



In-Construction Profile
Fits neatly into the floor construction without any additional build up.

Built-in Insulation
Reduces installation time and eliminates need for subfloor to be insulated.



No Warm Up Noise
No noise on heat up and cool down due to no use of rigid plates.



Fast & Flexible Install
Flows and returns can be easily cut into the surface of the XPS.

Suitable for batten (25mm and 50mm) floors.

For Timber Batten Floors

For Low Build Up Applications (25)

FoilBatten 25/50

Insulation & heat diffuser in one, for batten floors.

FoilBatten from OMNIE is an underfloor heating panel for timber batten floors. Manufactured by OMNIE, the panel is made from insulation with a soft temper aluminium heat diffuser pre-bonded to the surface making it easier to trim than rigid plates as well as removing the clicking and creaking that comes from plates when they warm-up. As the panels fit neatly in the batten space, unlike aluminium diffusers, the top of the batten is free from fixings. The panels ensure good contact with the floor removing the possibility of sagging plates and poor heat output.



Watch product features video.

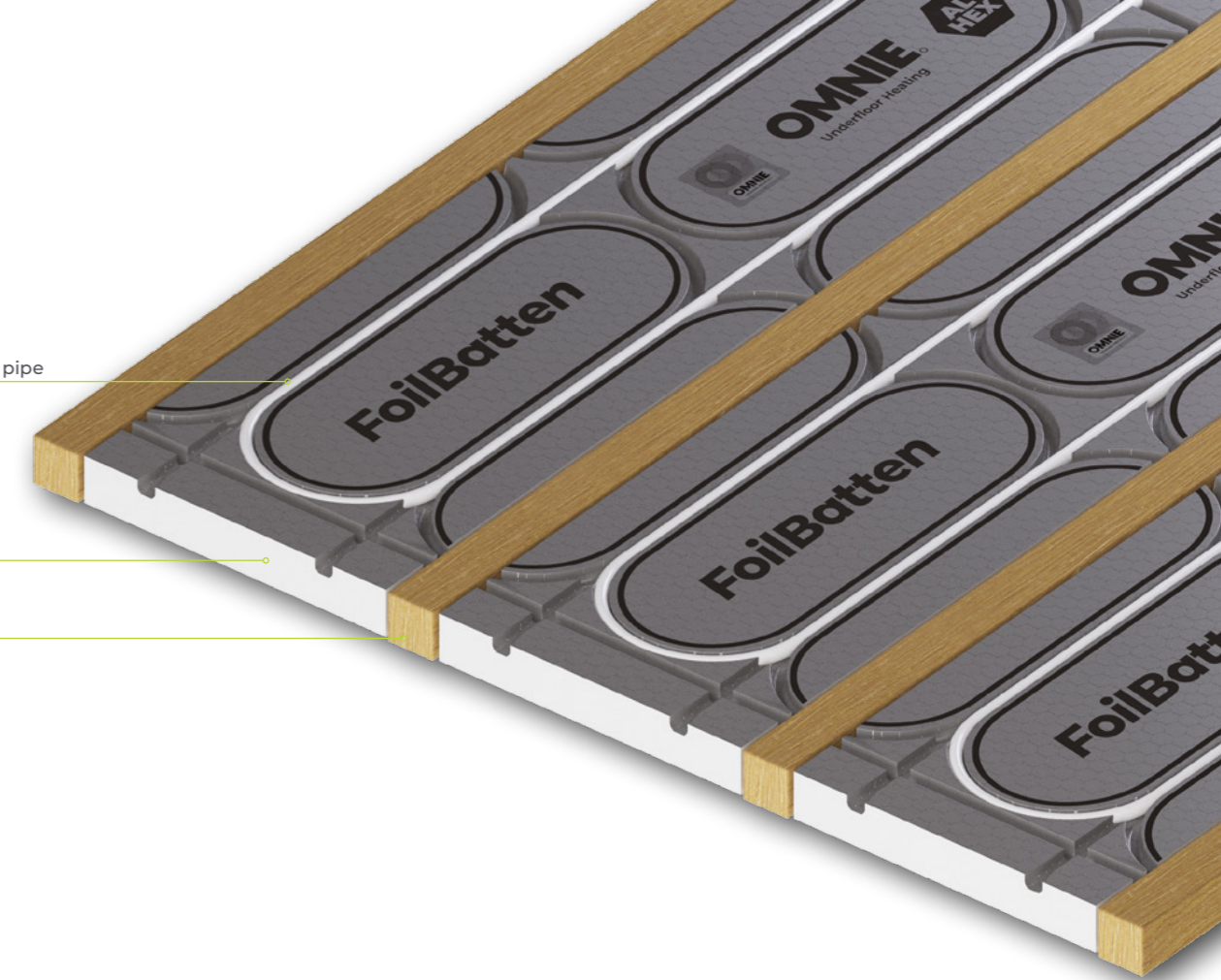


Watch product installation video.

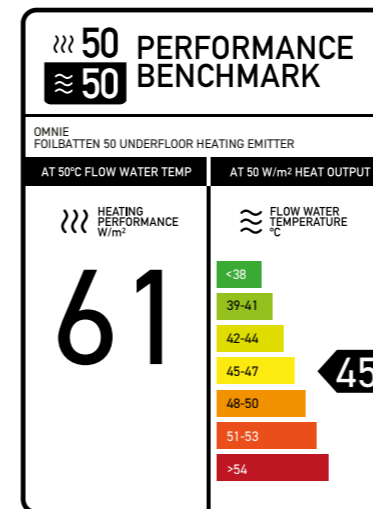
OMNIFLO 16.5mm pipe

FoilBatten panel

Batten*



Construction Information:
Product is shown in a standard UK floor construction. Areas highlighted with an asterisk (*) are designed and specified by others.



50/50 Performance Benchmark Testing Information can be found at: www.omnie.co.uk/5050

Documents

TPG-UFBPX125-0124 (25)
TPG-UFBPX150-0124 (50)



Visit our resources finder to download technical guides.

This system is made up of the following components;

UFBPX125 FoilBatten 25 panel
UFBPX150 FoilBatten 50 panel
UP16xxxx* OMNIFLO Pipe

*Product (code) as required depending on coil length required.

Specifications

Panel thickness:
25mm or 50mm

Weight with water:
1.5 kg/m²

Suitable for:
Batten floors & Low build up applications

Pipe centres:
200mm using 16.5mm pipe

Dimensions:
1200mm x 340mm

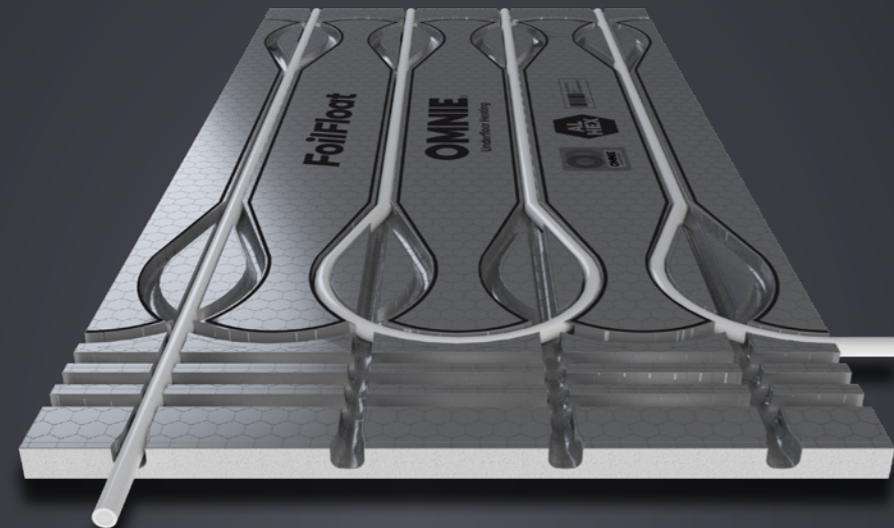
AL HEX Diffuser

Fully foiled AL HEX heat diffuser to maximise heat output and fast warm up times.



Easy Cut & Trim

Straightforward to cut and trim on site, speeding up installation time.



No Warm Up Noise

No noise on heat up and cool down due to no use of rigid plates.



Fast & Flexible Install

Flows and returns can be easily cut into the surface of the XPS.



Suitable over existing floors for a fully floating floor.

For Floating Floors

FoilFloat 25

Insulation & heat diffuser in one, for floating floors.

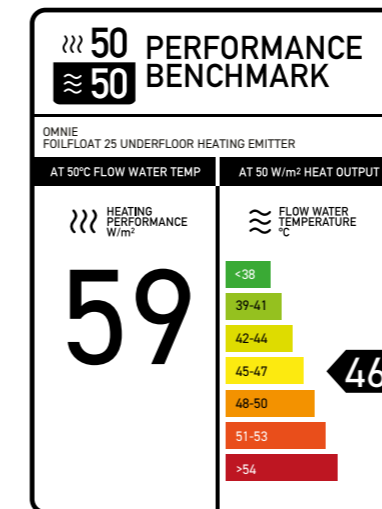
FoilFloat from OMNIE is an underfloor heating panel for fully floating floors. Manufactured by OMNIE, the panel is made from expanded polystyrene (EPS) which has a high compressive strength making it perfect to support the tongue and groove floor deck that is laid over. The FoilFloat panel has soft temper aluminium heat diffusers pre-bonded to the panel making it easier to trim than rigid diffusers as well as removing the clicking and creaking that comes from rigid plates when they warm-up and cool down.



Watch product features video.



Watch product installation video.



50/50 Performance Benchmark Testing Information can be found at: www.omnie.co.uk/5050

Documents

TPG-UFFPX125-0124



Visit our resources finder to download technical guides.

This system is made up of the following components;

- UFFPX125 FoilFloat 25 panel
- UPI6xxxx* OMNIFLO Pipe

*Product (code) as required depending on coil length required.

Construction Information:
Product is shown in a standard UK floor construction. Areas highlighted with an asterisk (*) are designed and specified by others.

Specifications

Panel thickness:
25mm

Weight with water:
1 kg/m²

Suitable for:
Floating floors

Pipe centres:
150mm using 16.5mm pipe

Dimensions:
1200mm x 600mm

OMNIFLO 16.5mm pipe

FoilFloat panel

Concrete subfloor*

