

ambiente[®]

more than underfloor

LOFLOOR[®] 18

PRODUCT GUIDE



POWERFUL PERFORMANCE MEETS SPACE-SAVING DESIGN

OUR SLIMMEST SOLUTION FOR RETROFIT BUILDS



LEADERS OF THE UNDERFLOOR HEATING MARKET

RETROFIT SYSTEM

LOFLOOR® 18



106
WATTS PER M²



Double Alu-foil

Two layers of foil provides greater output



18mm deep

Perfect for retro fits and uses a dry build-up, so no mess

About the LoFloor® 18

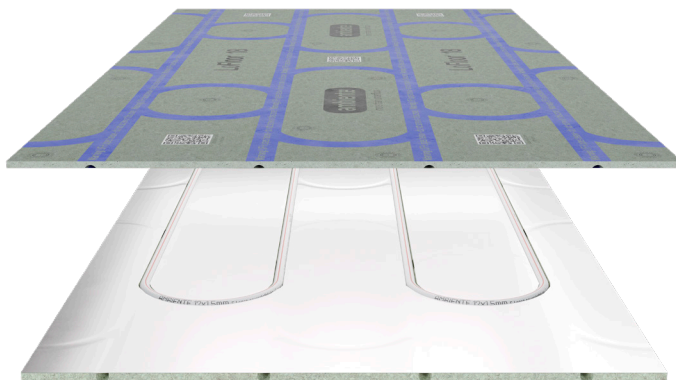
LoFloor® 18 is the ideal retrofit system for residential properties. Its dry-build design eliminates the need for wet trades, and its double layer of aluminium foil coupled with 12mm pipe ensures exceptional heat output and even heat distribution across the floor.

The printed design of the top board shows where the pipes are laid, reducing the risk of damage during installation. And both boards are foil layered and moisture resistant making the system perfect for a variety of environments.



High output

LoFloor® 18 produces a heat output of 106 W/m²

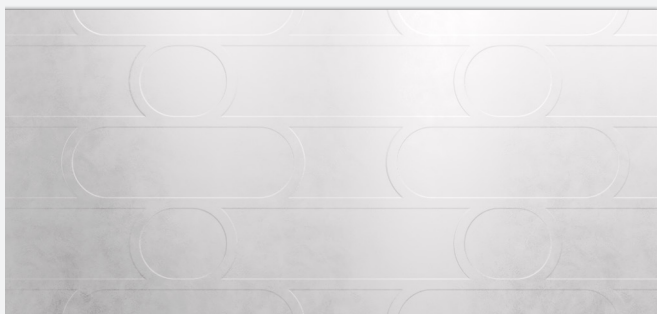


Dry build

No wet trades, so less time to install with no mess

When installing LoFloor® 18 over a structural floor we recommend that you run the pipes to and from that zone under the structural flooring. The LoFloor® 18 consists of two panels, the base board the printed top board. Both are grooved and foiled to maximise the output and stability of the product.

Take care when fixing the panels down to not screw through the pipes marked in blue on the LoFloor® 18 top panel.



LOFLOOR® BASE BOARD

12mm moisture resistant MDF, foiled and partially grooved

Size: 1200mm x 600mm x 12mm (L, W, H)

Pipe size: 12mm OD - to suit AmbiFlex® P12 pipes

Pipe centres: 150mm

Product Code: 46692



LOFLOOR® TOP BOARD

6mm wood fibre MDF, printed and alu-foiled

Size: 1200mm x 600mm x 6mm (L, W, H)

Pipe size: 12mm OD - to suit AmbiFlex® P12 pipes

Pipe centres: 150mm

Product Code: 46693

INSTALLATION STEPS

STEP 1

Ensure the working area is **CLEAN**, **FLAT**, **STRUCTURAL** and **STABLE**.

STEP 2

Plan your pipe routes from the manifold to the heating zone. Pipes should be run under the structural flooring and then come up into the zone its serving.

The base board should be drilled at a shallow angle to facilitate the pipe entering the board at an angle and not pushing up the cover panel in the process.

STEP 3

Pipe each loop into the LoFloor® 18 base boards, leaving long enough length on the pipes to be routed back under the floor to the manifold. Take care to ensure that the pipe doesn't get any debris in while routing them back to the manifold.

STEP 4

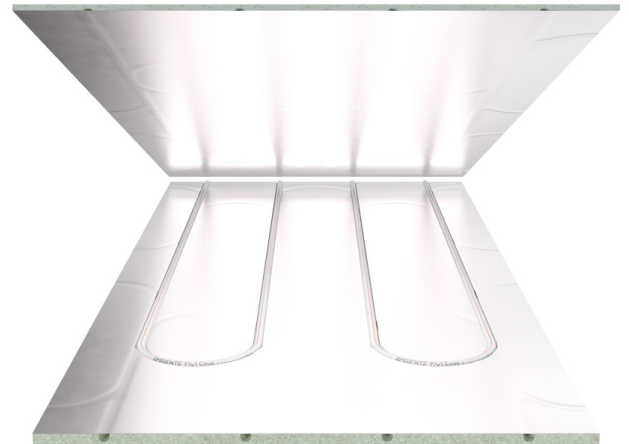
Once pressure tested, fix your LoFloor® 18 top boards using the screw positions indicated on the panel. If more fixing is required, take care not to screw through the UFH pipes marked in blue on the top panel.

STEP 5

You are now ready for floor finishes – Carpets, Lino and Wood can go directly on top. Tiles are not recommended over this floor. Follow the manufacturer's guidelines for floor finishes.

TECHNICAL DATA

Panel thickness	12mm (base panel) + 6mm (top panel)
Pipe centres	150mm
Pipe channel diameter	12mm
Compressive strength	115 kPa
Thermal conductivity	0.14 W/m ² k
Fire performance	Euro class B
Weight	10.8 kg/m ²



OUTPUT DATA

Mean water temp (°C)	Pipe diameter (mm)	Pipe spacing (mm)	Output W/m ² (0 tog/tile)	Output W/m ² (0.5 tog/vinyl)	Output W/m ² (1.5 tog/carpet)	Output W/m ² (2.0 tog/carpet)
40	12	150	85	80	71	67
45	12	150	106	100	88	84
50	12	150	128	119	106	100

OUTPUTS AT 20°C ROOM TEMPERATURE

PIPE LOOP LENGTHS

Pipe diameter (mm)	Maximum length per loop (m)	Maximum loop area
12	100	13 m ²

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**Need help with product
information, don't hesitate
to contact our team**

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