

ambiente®

more than underfloor

JOFLOOR® 28

PRODUCT GUIDE



POWERFUL PERFORMANCE MEETS SPACE-SAVING DESIGN

**STRUCTURAL
STRENGTH &
HIGH HEAT
OUTPUT
COMBINED**



LEADERS OF THE UNDERFLOOR HEATING MARKET

RETROFIT SYSTEM

JOFLOOR® 28



107
WATTS PER M²



Double Alu-foil

Two layers of foil provides greater output



28mm deep

Structural build-up over timber joists, perfect for retro fits

About the JoFloor® 28

Printed Top panel – 6mm cover panel with Alu-Foil layer bonded to the underside of the panel. Print includes essential information like the pipe locations in orange and the screw points for fixing the board down to the base panel.

The base panel is a 22mm T+G P5 chipboard with Alu-Foil and grooved to receive the AmbiFlex P12 pipe. The boards are flooring-grade boards.

High-performance output – the 2 x layers of Alu-Foil increase output and provide a quicker response time.



High output

JoFloor® 28 produces a heat output of 107 W/m²



Ready for finishes

No additional preparation required, saving you time

When installing JoFloor® 28 over a structural floor we recommend that you run the pipes to and from that zone under the structural flooring. The JoFloor® 28 consists of two panels: a base board and a choice of two printed top board variations. The MDF top board is compatible with timber and wood floors, while the tile top board is compatible with tiles and vinyl (with levelling compound applied).

Take care when fixing the panels down to not screw through the pipes marked in orange on the JoFloor® 28 top panel.



JOFLOOR® BASE BOARD

Size: 2400mm x 600mm x 22mm (L, W, H)

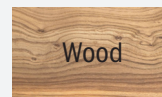
Product Code: 46690



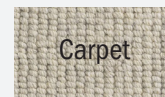
JOFLOOR® MDF TOP BOARD

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

Product Code: 46691



Wood



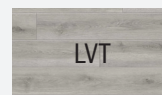
Carpet



JOFLOOR® TILE TOP BOARD

Size: 1200mm x 600mm x 8mm (L, W, H)

Product Code: 46696



LVT



Tile

INSTALLATION STEPS

STEP 1

Ensure the working area is **CLEAN, FLAT, STRUCTURAL** and **STABLE**. Fit the JoFloor® 28 tongue-and-groove base boards just as you would a standard 22mm chipboard floor.

STEP 3

Pipe each loop into the JoFloor® 28 base boards, leaving long enough length on the pipes to be routed back under the floor to the manifold. Ensure the pipe doesn't get any debris in while routing them back to the manifold.

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.

STEP 4

Once pressure tested, fix your JoFloor® 28 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 on the Top panel.

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 5

You are now ready for floor finishes - Carpets and Wood can go directly on top of the MDF Top. Tiles and vinyl should use the Tile Top boards. Follow the manufacturer's guidelines for floor finishes.

TECHNICAL DATA

Panel thickness	22mm (base panel) + 6/8mm (top panel)
Pipe centres	150mm
Pipe channel diameter	12mm
Weight	22 kg/m ² (dry weight)



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	86	78	66	62
45	12	150	107	98	83	77
50	12	150	129	117	100	93

OUTPUTS AT 20°C ROOM TEMPERATURE

PIPE LOOP LENGTHS

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

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

01707 649 118

sales@ambienteufh.co.uk

ambienteufh.co.uk