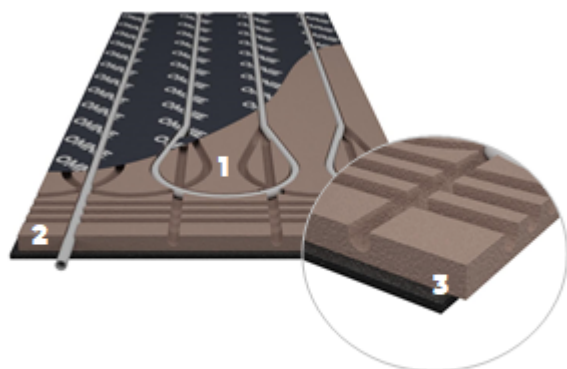


INTRODUCTION

OMNIE FoilFloat RdB system is laid over a flat & even solid floor. The universal panels provide the support for the fully floating floor deck that is laid over. Each panel is manufactured from 25mm extruded polystyrene insulation (XPS) which has a high compressive strength and pre-bonded 8mm acoustic layer suitable for floating floor applications. The heat diffusers are pre-bonded and made from soft temper aluminium. As no thick rigid plates are used the panels are easily trimmed on site. Once the panels are in place, the pipe is pressed into the channels piercing the foil diffuser. To complete the floor a tongue and groove deck or floor finish is laid over. The product is 33mm in total. It is not recommended that tiles are used as the floor finish in floating floor constructions.



- ① FOILFLOAT PANEL
- ② PRE-BONDED ACOUSTIC LAYER (8mm)
- ③ 10mm LAP JOINT CREATED BETWEEN MATERIALS

SPECIFICATION

OMNIE FoilFloat RdB system uses 16.5mm PE-RT pipe to DIN 4726 installed into FoilFloat RdB panels, comprising of 25mm XPS extruded polystyrene with pre-bonded heat diffusers and pre-bonded 8mm acoustic layer. This system is to be installed as a continuous insulation layer to support a fully floating floor with a tongue and groove floor deck to be laid over. The system to be designed, installed and commissioned to BS1264.

ULTRALOW – This product is part of our low build up range.

For more information on UltraLow Technology see Datasheet – DS UFH 23

LAYFAST – Speed up installation time. This product uses our multi directional pipe channel system.

For more information see Datasheet – DS UFH 22



TECHNICAL DETAILS

FoilFloat RdB Panel

XPS expanded polystyrene panel with pre-bonded soft temper aluminium and pre-bonded 8mm acoustic layer ($k=0.033\text{W/mK}$)

Compressive Strength

200kPa

Density

28k/m³

Panel thickness

33mm

Panel Dimensions

1200 x 600mm

Pipe

16.5mm PE-RT to DIN 4726

Pipe Centres

150mm

Existing Floor Requirements

Existing slab/floor deck to meet at least SR2 (5mm deviation in 2m) requirements for floor regularity (BS8204) and preferably SR1 (3mm deviation in 2m). The floor finish company may have their own requirements which take precedence

Heat Output

Heat outputs are dependent on the water temperature, floor construction, system

dimensions, floor finish & design conditions. Please call 01392 36 36 05 to discuss your specific requirements.

Heat outputs below are based on 16.5mm PE-RT pipe at 150mm centres with 18mm chipboard laid under 15mm wood and carpet & underlay. Air Temperature = 20°C.

(0.15 m²K/W = 1.5 TOG).

Floor Finish	55/48 (°C)	50/43 (°C)	45/38 (°C)	40/33 (°C)
18mm chipboard deck with 15mm Wood Finish (0.1m²K/W)	66 W/m²	55 W/m²	45 W/m²	34 W/m²
18mm Direct Structural Wood Finish (0.13m²K/W)	90 W/m²	76 W/m²	61 W/m²	47 W/m²
18mm chipboard deck with Carpet & Underlay (0.15 m²K/W)	60 W/m²	50 W/m²	41 W/m²	31 W/m²