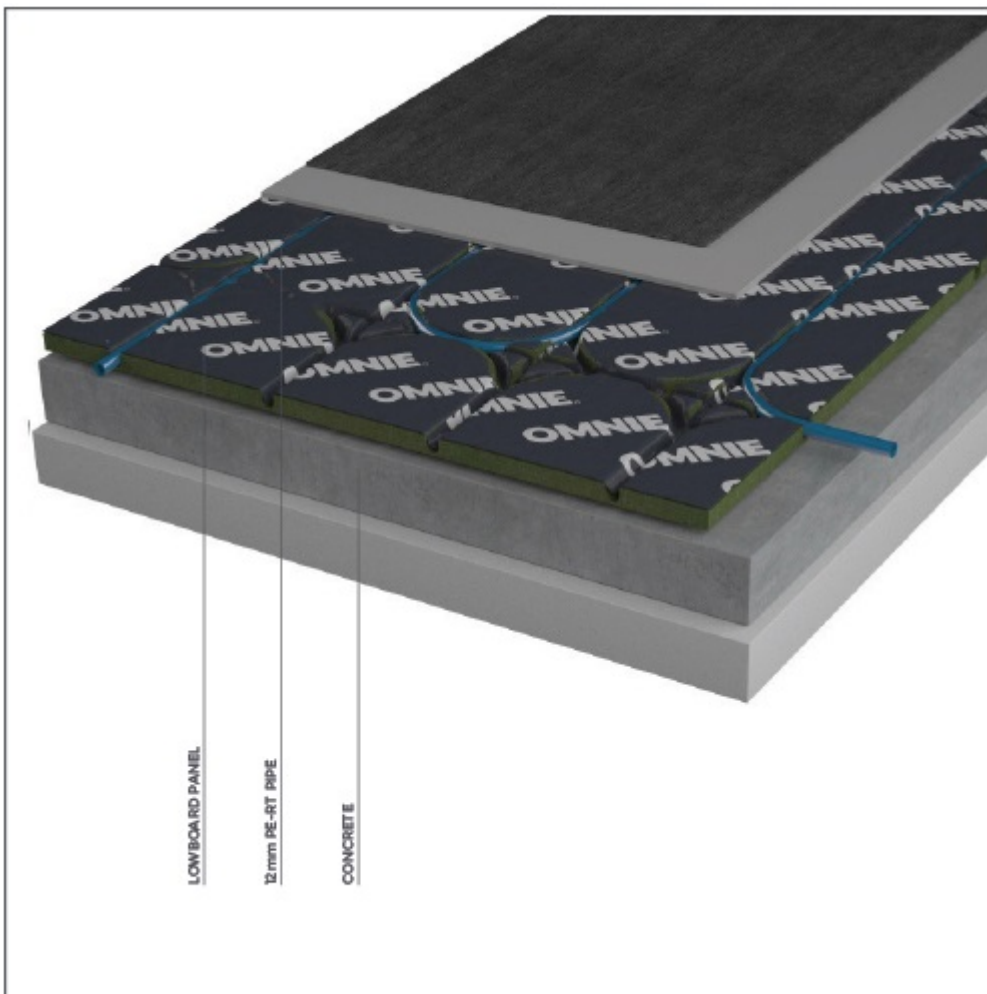


INTRODUCTION

LowBoard is a 15mm thick square edged woodboard underfloor heating panel floated or mechanically fixed over a flat and even timber or solid sub floor. When using tiles as the floor finish, it is recommended that the LowBoard is mechanically fixed down, you will also need to refer to the tilers recommendations. The low panel height makes it suitable where there is not enough floor-to-ceiling height to install a conventional underfloor heating system. The panel has a multi-directional design for ease of installation. The universal panel is simply laid across the floor with no loop ends and straights to configure. The inclusion of the foil diffuser further increases the output and is pierced as the pipe is pressed into the channels. A finished floor deck or 6mm ply, MDF or similar is mechanically fixed over the LowBoard panels to complete the floor.



SPECIFICATION

OMNIE LowBoard system using 12mm PE-RT pipe to DIN 4726.

The 15mm LowBoard panels to be laid fully-floating or mechanically fixed as a continuous layer over a sub-floor. Next a minimum of 6mm covering layer such as flooring grade ply is then mechanically fixed over the LowBoard panels. If timber or laminate is used there is no need for a covering layer on top of LowBoard.

For tile & decorative floor finishes the LowBoard panels will require fixing to screed or a deflection free timber floor with a minimum 6mm flooring grade ply or tilebacker board mechanically fixed over. Please refer to the Tilemaster Adhesives Ltd specification guide (IG UFH 23, see link below) or obtain specific conformation and guidance from floor finish installer or manufacturer/supplier.

The system is to be designed, installed and commissioned to BS1264.

ULTRALOW - Our thinnest panel at only 15mm. This product reduces build up to only 21mm when combined with a 6mm ply covering layer.

For more information on UltraLow Technology see DS UFH 23

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

For more information see DS UFH 22

DRYSYSTEM - No wet trades required, designed for dry constructions.

For more information see DS UFH 24

TILEOVER - Can be tiled over using our unique Tileover technology.

For more information see IG UFH 23

(Related Documents links below)



TECHNICAL INFORMATION

LowBoard 15 panel

Moisture resistant square edged woodboard panel with integral foil diffuser

Panel Thickness

15mm

Panel Dimensions

1200 x 600mm

Weight with water

12kg/m²

Pipe

12mm PE-RT to DIN 4726

Pipe Centres

150mm

Existing Slab/Floor Deck

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 below are based on:

12mm PE-RT pipe at 150mm centres

Air Temperature = 20°C

Where required a non structural covering layer (by others)

(0.15 m²K/W = 1.5 TOG)

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.

Covering Layer & Floor Finish	55/48 (°C)	50/43 (°C)	45/38 (°C)	40/33 (°C)
6mm floor grade Plywood - Tile Finish (0.01m ² K/W)	91 W/m ²	77 W/m ²	62 W/m ²	47 W/m ²
15mm Timber/Laminate - direct finish (0.1m ² K/W)	80 W/m ²	68 W/m ²	55 W/m ²	42 W/m ²
6mm floor grade Plywood - Carpet & Underlay (0.15 m ² K/W)	65 W/m ²	55 W/m ²	44 W/m ²	34 W/m ²