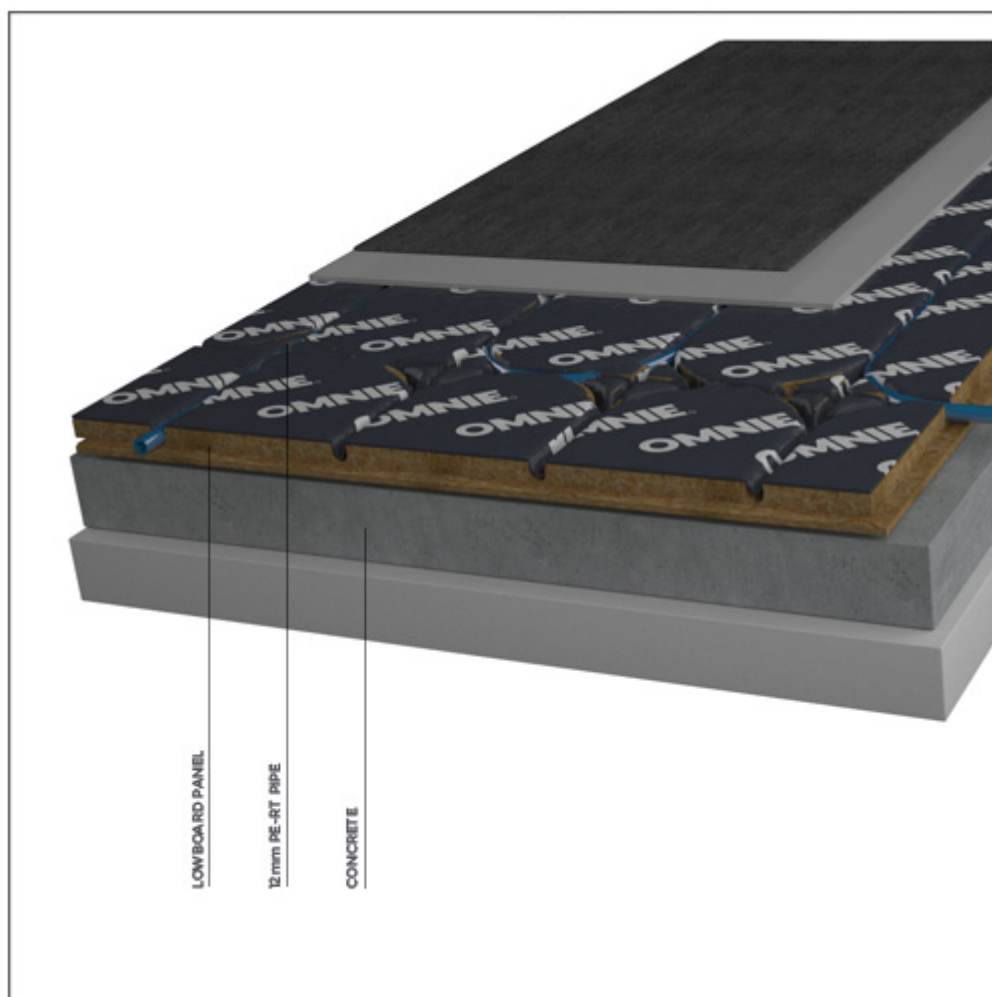


### INTRODUCTION

LowBoard 22 is a 22mm thick chipboard tongued and grooved moisture resistant underfloor heating panel that is 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 pipe pierces the foil diffuser as it is pressed into the channels before a finished floor deck, 6mm flooring grade 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 22mm LowBoard panels to be laid fully floating with all tongue and grooves fully glued to form a continuous layer over a flat & even 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 bonding to screed or a deflection free timber floor with all tongue and grooves fully glued with a minimum 6mm flooring grade ply or tile backerboard 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** - This product reduced build up compared to other available systems. 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



## TECHNICAL DETAILS

### LowBoard 22 panel

P5 grade tongue and groove moisture resistant chipboard with integrated diffuser

### Panel Thickness

22mm

### Panel Dimensions

2400 x 600mm

### Weight with water

18.9kg/m<sup>2</sup> (with 6mm ply)

### 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 are dependent on the water temperature, floor construction, system dimensioning, floor finish & design conditions. Please call 01392 36 36 05 to discuss your specific requirements.

Heat outputs below are based on 12mm PE-RT pipe at 150mm centres with 6mm ply laid under carpet and 12mm ply under tiles. 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)
Tile Finish (0.01m²K/W)	84 W/m²	70 W/m²	57 W/m²	43 W/m²
15mm Wood Finish (0.1m²K/W)	82 W/m²	69 W/m²	56 W/m²	42 W/m²
22mm Wood Finish (0.14m²K/W)	74 W/m²	62 W/m²	51 W/m²	39 W/m²
Carpet & Underlay (0.15 m²K/W)	70 W/m²	59 W/m²	47 W/m²	36 W/m²