

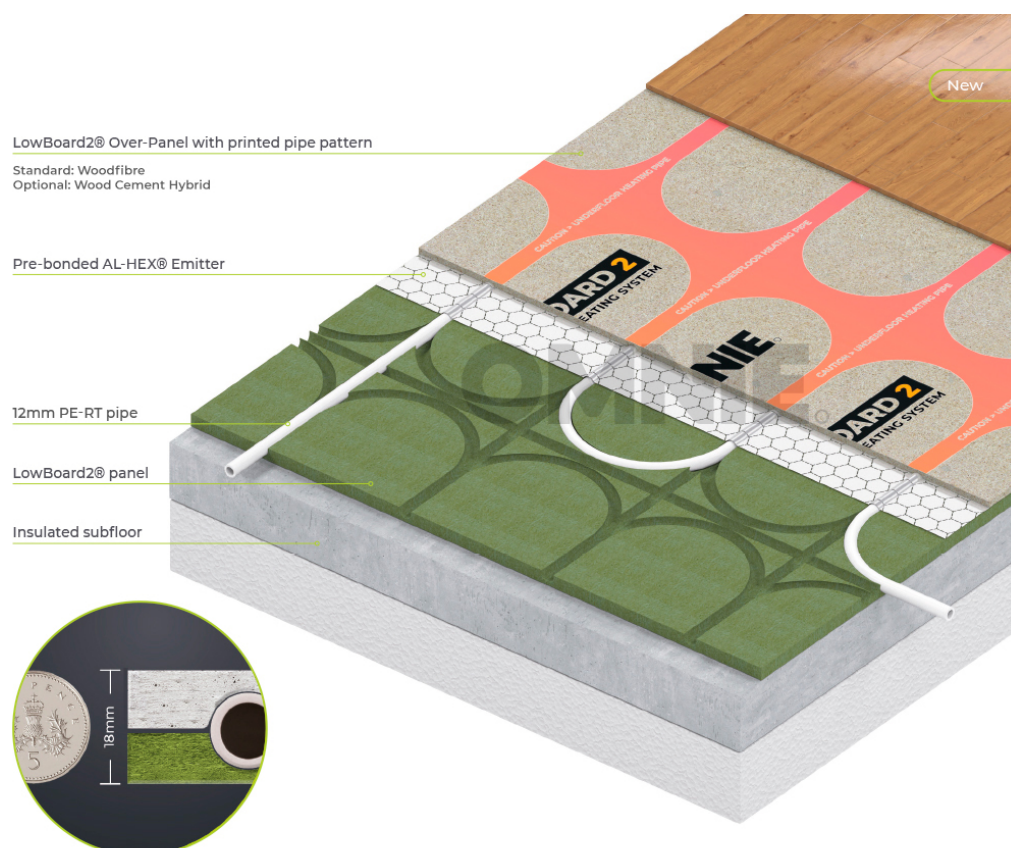
INTRODUCTION

LowBoard 2® is a low height, high performance system comprising of 12mm LowBoard 2® Panels and 6mm Woodboard or 12mm ply Cover Panels. The low system height makes it suitable where there is not insufficient floor-to-ceiling height to install a conventional underfloor heating system. LowBoard 2® Panel has a multi-directional design for ease of installation.

The LowBoard 2® Cover Panels features OMNIE's advanced patented AL HEX® foil heat diffuser technology, pre-bonded to the underside. The top surface is clearly printed for convenient visual reference to pipe locations for others and future trades to see. The system also comes with dual layer Highway Panels, to aid routing and enclosing the flow and return pipework to and from the OMNIE Manifold.

The LowBoard 2® 6mm Woodboard Cover Panels will be suitable for most floor finishes. For tile and materials that require a firmer substrate, LowBoard 2® 8mm Wood Cement Hybrid Cover Panel is recommended.

It is also recommended that LowBoard 2® 8mm Wood Cement Hybrid Cover Panels are used when the install requires acoustic matting below the system. Please refer to OMNIE's LowBoard 2® RdB products for further information.



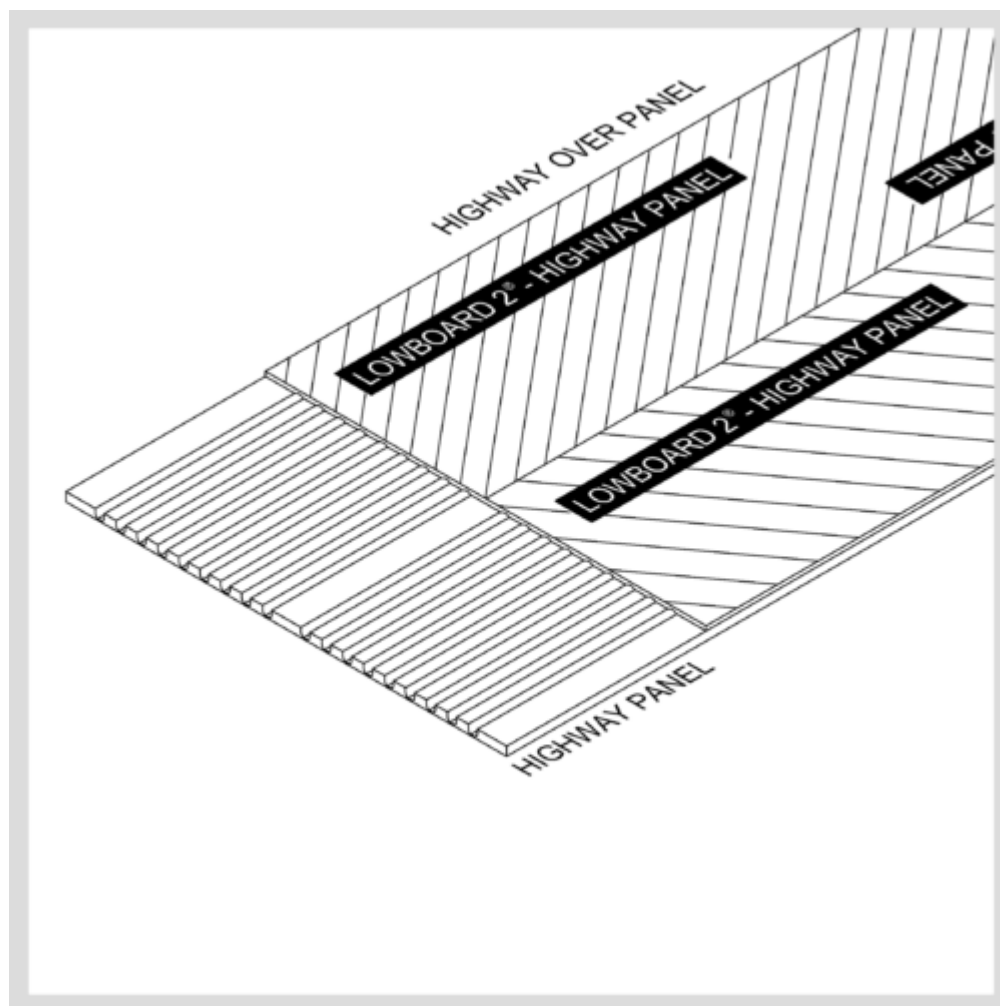
SPECIFICATION

OMNIE LowBoard 2® System

LowBoard 2® Panels are made from moisture resistant Woodboard and are pre-routed with a multi directional pattern to accept 12mm PE-RT pipe (DIN 4726). They can be floated, mechanically fixed or bonded over a flat and even timber or solid subfloor, Pipe is installed following the detailed OMNIE CAD designs provided. Once pressure tested the LowBoard 2® Cover Panels, 6mm Woodboard or 12mm ply can be installed using screws provided.

For tile & decorative floor finishes, LowBoard 2® 8mm Wood Cement Hybrid Cover Panels will require securing to screed or a deflection-free timber floor, this may require extra screws and a decoupling membrane (not supplied). In all cases with underfloor heating you should always refer to the flooring supplier/manufacturers instructions and recommendations.

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



TECHNICAL INFORMATION

LowBoard 2® 12mm Panel
1200mm x 600mm x 12mm Square edged Woodboard panel with multi-directional pipe channels

LowBoard 2® Cover Panels (Printed)
1200mm x 600mm x 6mm Woodboard
1200mm x 600mm x 8mm Wood Cement Hybrid

System Thickness
18mm (6mm Cover Panel)
20mm (8mm Cover Panel)

Weight with water
14.6 kg/m² (6mm Woodboard)
16.5 kg/m² (8mm Wood Cement Hybrid)

LowBoard 2® Highway Panel Dimensions
1200 x 600mm x 12mm with respective Cover Panel in 6mm Woodboard or 12mm ply (these can be cut into two equal 1200m x 300mm units)

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)

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.

As a guide the heat outputs below are based on:

Air Temperature = 20°C

Covering Layer & Floor Finish	55/48 (°C)	50/43 (°C)	45/38 (°C)	40/33 (°C)
LB2 + 6mm Woodboard Cover Panel - 15mm Timber/Laminate (0.1m²K/W)	80 W/m²	67 W/m²	54 W/m²	41 W/m²
LB2 + 6mm Woodboard Cover Panel - Carpet & Underlay (0.15 m²K/W)	71 W/m²	60 W/m²	49 W/m²	37 W/m²