



## TIMÓLEON DATA SHEET TI1015 - LOWBOARD15

# LowBoard Flooring System for Floating Floor Constructions

## INTRODUCTION

The LowBoard is a 15mm thick panel laid over a solid sub floor. 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 multidirectional design that allows the pipe to be installed in any direction. The universal panel is simply laid across the floor – no loop ends and straights to configure – and the pipe is pressed into the channels. A 6mm ply is laid and fixed over the LowBoard panels to complete the floor.

## INSTALLATION

1. Make sure the floor is flat and level and has been swept to remove all debris.
2. Starting at one corner, leaving a 10mm gap around the perimeter, lay the first panel.
3. Continue laying the panels making sure that the exit routs between panels are aligned.
4. Following the issued CAD drawing and starting at the manifold position push the pipe into the routed channels. The circuit will finish at the manifold.
5. Pressure test each circuit to ensure that it has not been damaged in installation. Keep the pipe under pressure until the floor is complete.
6. With all the circuits installed lay and screw the 6mm covering layer over the LowBoard panels.

## SPECIFICATION

Timoleon LowBoard system using 12mm PB pipe to BS7291 class S. The 15mm LowBoard panels to be laid fully floating as a continuous layer over a subfloor. A 6mm covering layer such as ply is then to be fixed over the LowBoard panels. The system is to be designed, installed and commissioned to BS1264.

## TECHNICAL INFORMATION

Pipe – 12mm EVOH oxygen barrier pipe to Class S BS7291.

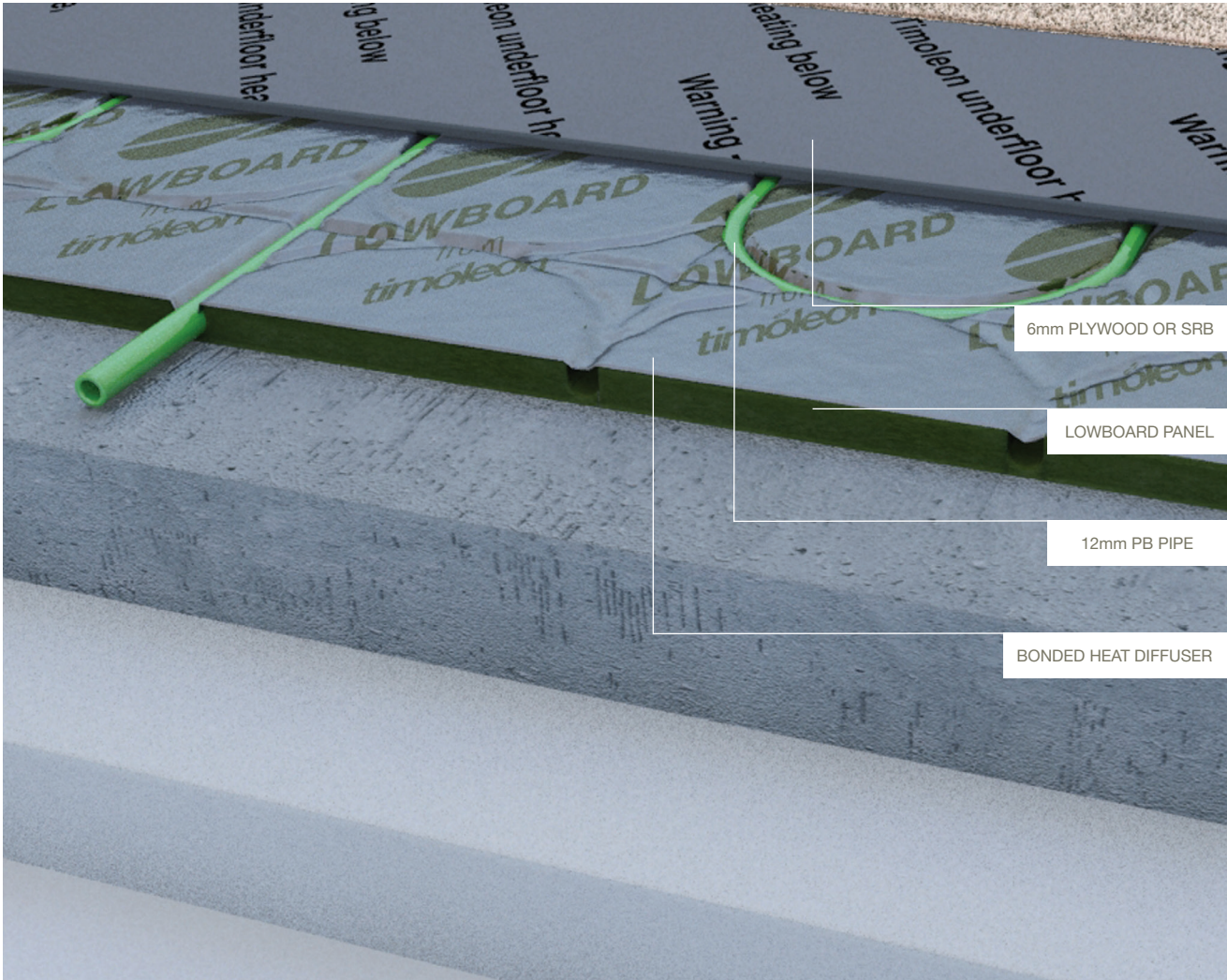
LowBoard panels – 15mm wood supporting panel with integrated diffuser. Panel dimensions are 1200x600mm. Pipe is set at 150mm centres.

Heat outputs are dependent on the water temperature, floor construction (including insulation levels), system dimensioning, floor finish & design conditions. Please call 01392 363605 for advice.

Heat Output Table (W/m <sup>2</sup> )	Flow & return water temperature (°C)		
	50/40	45/35	40/30
Floor Finish			
Tile Finish (0.01m <sup>2</sup> K/W)	76	60	44
15mm Wood Finish (0.1m <sup>2</sup> K/W)	66	52	39
Carpet & Underlay (0.15 m <sup>2</sup> K/W)	62	49	36

Based on 12mm PB pipe at 150mm centres using standard product with a 6mm ply covering and floor finish laid over. 0.15 m<sup>2</sup>K/W = 1.5 TOG.

## TIMÓLEON DATA SHEET T11015 - LOWBOARD



**?** Call the project team on  
**01392 363605**

**timoleon**