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## TIMÓLEON DATA SHEET TI1017 - INTERDECK

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# Interdeck for Suspended Floor Constructions

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## INTRODUCTION

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The InterDeck system is used in a suspended floor when the floor deck is already in place. The InterDeck panels are manufactured with an integral heat diffuser so that they can be fixed to the underside of the floor deck.

Once the panels are in place the pipe is inserted into the pre-routed channels either as a continuous length or by forming small circuits within each joist space connected to a common flow and return. Insulation quilt is then installed directly beneath the panels within the joist space.

InterDeck panels are available for 400mm centre joists (3 pipe channels) or 600mm centre joists (4 pipe channels) but can be easily trimmed to fit other joist centres.

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## INSTALLATION

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1. With the floor in place and the ceiling yet to be fitted, offer up the interdeck panels into the joist space.
2. Fix the panels to the floor deck by using wood screws
3. Following the design, insert the pipe into the channels in the InterDeck panels.
4. If the pipe is to be continuous it will need to be threaded through the joists. Alternatively, the pipe can be cut and connected to a common flow and return using Timoleon fittings.
5. Pressure test.
6. Install insulation.

Note: Please refer to the installation guide for full details.

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## SPECIFICATION

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Timoleon InterDeck installed within the joist space and fixed to the floor with the routed channels facing down. 12mm PE-RT pipe to be installed into the channels. Floor insulation (to comply with regulations) to be installed within the joist space. The system to be designed, installed and commissioned to BS1264.

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## TECHNICAL INFORMATION

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Pipe – 12mm PE-RT with EVOH oxygen barrier  
Interdeck panel – Moisture resistant 16mm thick wood fibre board for 400mm or 600mm joist centres.

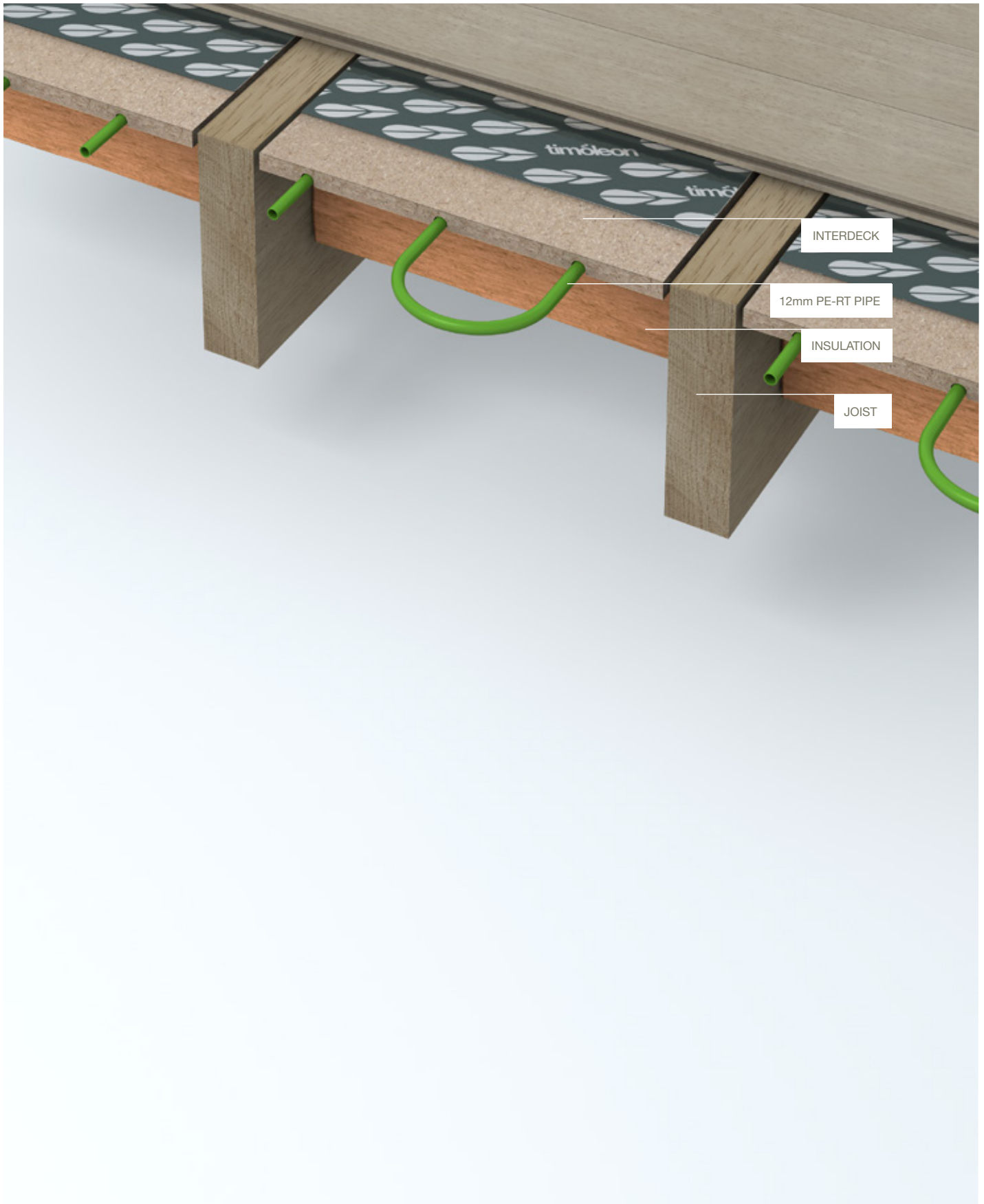
Heat Output Table (W/m <sup>2</sup> )		Flow & return water temperature (°C)		
		50/40	45/35	40/30
Floor Finish	Tile Finish (0.01m <sup>2</sup> K/W)	42	33	24
	15mm Wood Finish (0.1m <sup>2</sup> K/W)	37	30	22
	Carpet & Underlay (0.15 m <sup>2</sup> K/W)	34	27	20

Heat output based on a standard product installed onto an 18mm chipboard floor with the specified floor finish over (additional 10mm ply when using tiles). Air temperature = 20°C.

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 Call the project team on  
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