

Overlay™ Lite 15 – Over-the-Floor

Data Sheet

PRODUCT INFORMATION

ISSUE 1 – FEBRUARY 2021

Product Code: PB08030

Designed for use over the original property floors, Polypipe's over-the-floor system uses pre-grooved insulation panels to transmit the heat evenly across the finished floor surface.

Slightly deeper profile, which can be used on top of a supporting floor or as a low profile alternative to floating floor. The system delivers the same responsive heat but is configured to be more suitable for larger, "whole house" projects.

Polypipe's ultra-flexible underfloor heating pipe is then run into the pre-formed grooves of the panel, which are designed to hold the pipe securely in position.

Product Information

The main component of the Overlay™ Lite 15 panel is manufactured from a high-density, ridged polystyrene foam; the layer provides thermal insulation and reduces downwards heat loss.

The second layer is a high-performance aluminium, this allows heat to dissipate laterally reducing the occurrences of "hot & cold spots" across the floor. Polypipe's Overlay™ Lite 15 panels accommodate for 15mm diameter pipe only.



- 1 Fits over concrete or floorboard:
- 2 Overlay™ Lite 15 panel
- 3 Pipe
- 4 End return
- 5 10mm plywood lining
- 6 Suitable for laminate and engineered wood floor direct

Product Code	Description	Pack Quantity
PB08030	Overlay™ Lite 15 Floor Panel	10
PB08040	Connection/Return panel	10

PRODUCT INFORMATION

ISSUE 1 – FEBRUARY 2021

Key Design Information

Typical Heat Output at 50°C Mean Water Temperature	65W/m ² at 200mm Pipe Centres
Recommended Design Flow Temperature	60°C
Maximum Circuit Length	100m
Maximum Coverage per Circuit	22m ² at 200mm average pipe centres
Dimensions	1200mm x 800mm x 22mm

Approximate Usage

Panel Usage	1 panel x 1m ²
Ultra-Flexible UFH Pipe	4.5m/m ² at 200mm centres
Aluminium Tape	1 x 25m roll per 10m ²

Product Installation Information

- It is essential that a suitable layer of thermal insulation be installed in areas where gaps are present in the underfloor heating systems so as to minimise any downward heat loss. It is recommended that the thermal resistance of this insulation layer should not be less than 0.75m²K/W as specified in BS EN1264-4. The insulation should fit tightly between the joists.
- The panels should be installed tightly against the external wall and each adjacent panel should be taped together using the aluminium tape supplied as part of the Overlay™ Lite 15 System, thus will ensure optimum system performance.
- Polypipe 15mm ultra-flexible underfloor heating pipework is installed in circuits and is fixed in position by the specifically designed pipe within the panel.
- The underfloor pipework is then connected to the manifold and then pressure tested to 6 bar. It is also highly recommended once the system is pressure tested to add an appropriate percentage of antifreeze/inhibitor.
- As soon as practical after the installation is completed, the structural floor should be installed to prevent any damage occurring.