



PROFLOOR FOIL

I N S T A L L A T I O N M A N U A L

22mm Pre-grooved OSB panels

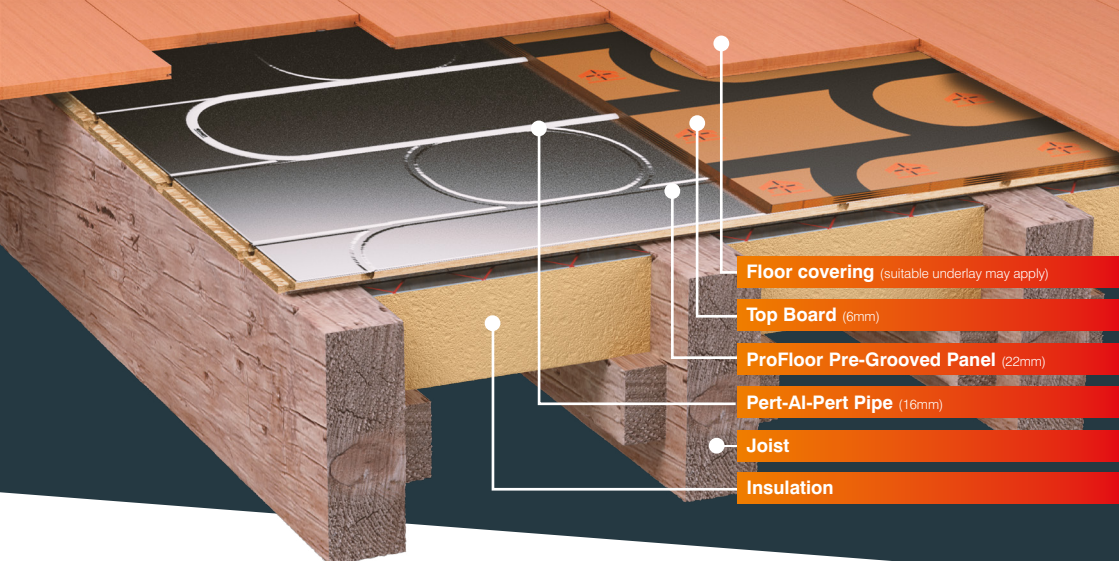


Suitable for most floor coverings

(Always check with floor manufacturer)



**APPROVED
BY PROFESSIONALS**



Floor covering (suitable underlay may apply)

Top Board (6mm)

ProFloor Pre-Grooved Panel (22mm)

Pert-Al-Pert Pipe (16mm)

Joist

Insulation

PROFLOOR FOIL

Foil faced OSB (Oriented Strand Board) panels for 16mm underfloor heating pipe

Profloor Foil OSB underfloor heating board offers a structural solution for use directly onto joists or battens of up to 600mm centres (when used with the Prowarm Top board). The Profloor Foil system ensures the pipe is closer to the surface when compared to other typical in joist systems, offering a far more effective and efficient underfloor heating solution.

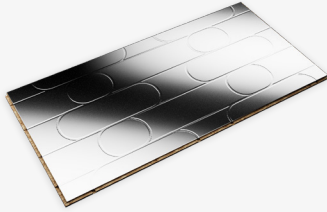
Our pre-grooved foil faced boards offer a pipe run to and from the manifold location within the board itself; removing the inconvenience of having to navigate and drill or notch through any joists.

Advantages of ProFloor Foil

- ✓ Suitable for use with Air Source Heat Pumps
- ✓ Higher flow rate for maximum efficiency 16mm pipe @ 150 centres
- ✓ Efficient construction
- ✓ Quick and easy installation
- ✓ High thermal efficiency with reduced heat loss and lower fuel costs
- ✓ Even heat distribution with consistent and repeatable performance
- ✓ Substantial savings in material costs
- ✓ The final floor can be installed directly on top of the ProFloor boards*

*ProWarm Top Board or "No More Ply" may be required

Key parts of Assembly



ProFloor 22mm OSB Board

- Board size 1200mm x 600mm x 22mm
- Groove for 16mm pipe
- Pipe spacing 150mm circuit centres
- Each board weighs 10kg
- Tongue and groove on all four sides
- Suitable for up to 600mm joist centres when used with Top Board
- OSB3 structural moisture resistant board



Top Board

- HDF (High Density fibreboard)
- 1200mm x 600mm x 6mm
- Each board covers 0.72m²



ProFloor Screws

- Length: 50mm
- Box Quantity: 200
- Pozi drive for efficient screwing



Top Board Screws

- 25mm in length
- Self-tapping tip
- Self-countersinking head



Polyurethane Glue

- Polyurethane wood glue
- 750g
- 30 minute drying time

Installation Steps

Step 1

ProFloor boards should be installed perpendicular onto the joists or battens. The joist or batten centres must be no greater than 600mm when used with the ProFloor Top Board. A Top Board must be installed to maintain the system's structural integrity.

For further information please call our technical team on 01268 567019.



Step 2

For best results, the ProFloor boards should be acclimatised to the conditions of the room prior to fitting for 48 hours.



Step 3

Before installing the boards, check that the base is even and straight. Also make sure, that the edges of any boards next to walls and pillars are supported.

Starting in 1 corner of the room, position your first piece, ensuring the boards fit correctly and align with the joists or battens. Leave a gap of 10 to 15mm between the wall and OSB panel to allow for expansion.



Ensure to **stagger the board joints** on the short edge by cutting a board in half on each row to add structural stability. (See fig.1)

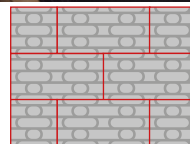


Fig. 1 - Foil Boards

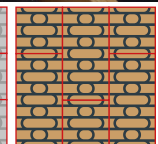


Fig. 2 - Top Boards

Step 4

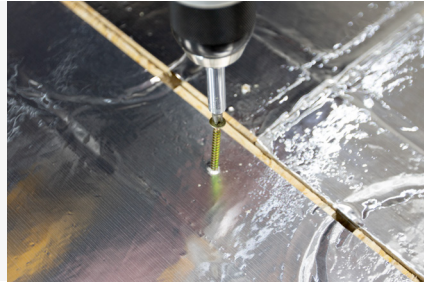
The boards should always be glued to each other at the tongue and the groove. The boards should also be glued to the joist/batten to avoid possible creaking. The glue should be a Polyurethane type wood glue and should be done carefully ensuring that there is a continuous seam of adhesive along the entire length of the tongue and groove. Note any excess glue may need to be cleaned off using a scraper prior to installing the pipe.



Step 5

ProFloor boards should be screwed to the base with ProFloor wood screws. The boards should be screwed down to the joists/battens using approximately 15-20 screws per board ensuring the board is well secured and the screws are evenly spaced.

Tip: Placing some pipe in the connecting grooves of the board helps to line up the grooves prior to drilling.



Step 6

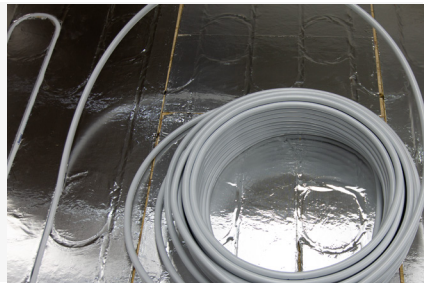
Before installing the underfloor heating pipe, the floor and the pipe grooves should be clear of sawdust and other dirt. To do this, score the foil over the grooves to clean with a vacuum.



Step 7

Start laying the underfloor heating pipe. At the start of the run, ensure you have enough pipe to reach the manifold. This pipework may be fed under the flooring or can be fed back to the manifold via the ProFloor grooves.

When feeding back to the manifold via the ProFloor Grooves, it is important to start on the **second** groove in to ensure a return groove is free.



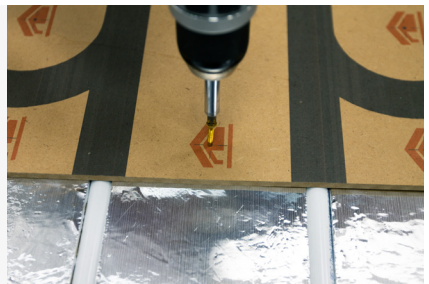
Both engineered wood and laminate can be installed directly on the ProFloor boards using a low TOG underlay. A minimum of 10mm engineered wood or laminate must be used.

For other floor finishes such as *Vinyl* or *Carpet*, the floor must be covered with the *ProWarm ProFloor Top Board*. For *Wet areas, Tiles or glued down Vinyl*, cement boards of a minimum 6mm thickness, such as '*No More Ply*' must be used. The Top Board or No More Ply boards must be glued/screwed down according to manufacturer's guidelines.

Step 8

If being used, place the top boards over the foil boards, lining up the marked blue area with the pipe to avoid screwing into them, and screw down the board from the markings shown 🛠️. *Take extra care if using No More Ply.*

Stagger the top boards (or No More Ply) using fig.2 on page 4 as a guide.





ProWarm™ underfloor heating systems come with a *peace of mind* **lifetime warranty.**

The warranty does not cover installations made by unauthorized persons or faults caused by incorrect design by others / misuse / damage caused by others / damage in transit / incorrect installation and any other subsequent damage that may occur. Replacement will be fully chargeable if the damage is because of any of the above reasons.

Please visit website for full terms and conditions.

www.prowarm.com

This installation manual has been designed for your safety. For a successful installation please make sure you have understood the guidelines and adhered to all the instructions.



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