

SNUG

UNDERFLOOR HEATING

LOW PROFILE GROOVE BOARD SYSTEM

INSTALLATION GUIDE

A DIVISION OF



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LOW PROFILE GROOVE BOARD - INSTALLATION GUIDE

INTRODUCTION

Our Snug Low Profile Groove Board system makes installing underfloor heating onto floorboards or existing screed simple. Ideal for installations when height is a concern, this offers a low-profile solution.

STEP ONE: PREPARATION

It's essential to ensure that the floor is level, providing a solid foundation for the underfloor heating system. We recommend insuring there is an ample amount of insulation below the underfloor heating before installing. If there is no insulation under the existing floor, a superfoil can be used to help with insulation.

STEP TWO: INSTALLING THE END SUPPORTS

Follow the Snug board design, begin this by placing the down end supports, these can be screwed down. Start by placing the first end support in the corner of the room and work outwards from there.

Small end supports are mainly used for returns. Large end supports can be used to help with maintaining pipe spacing and keeping the pipe in a double serpentine pattern whilst maneuvering around awkward areas. (Fig. 2).

Large and small end supports can both be used for pipe trunking to get to and from the manifold to the heated area.



Please note, on your Snug board design, the large supports are shown as PINK and the small supports are shown as Navy.

REQUIRED TO FIT

To successfully install our Snug Low Profile Groove Board system, you'll require:

- Screws
- Impact driver

Fig. 1

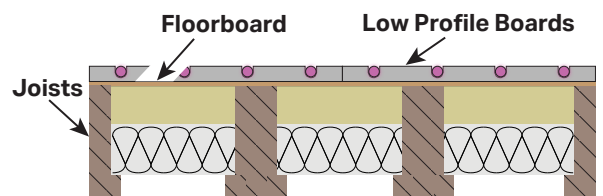


ILLUSTRATION PURPOSES ONLY

Fig. 2

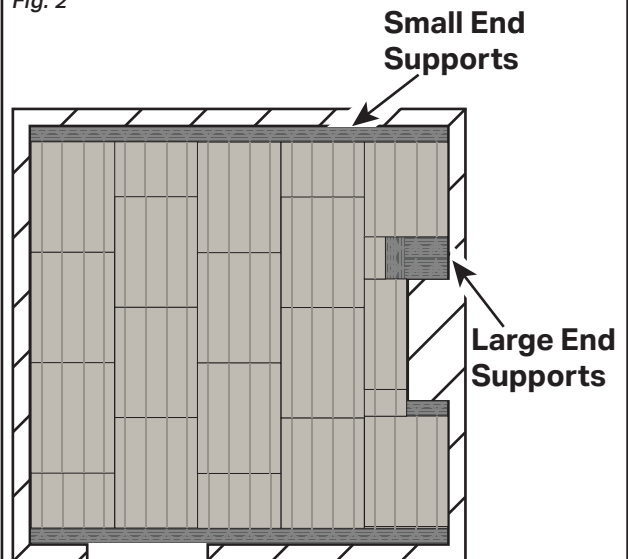


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STEP THREE: INSTALLING THE BOARDS

Follow the Snug board design, the Low Profile Groove Board will be designed in a staggered pattern. Boards can be cut down and fit to size. (Fig. 3).

Use the provided board adhesive along the edges of all boards to join them together.

STEP FOUR: INSTALLING THE PIPEWORK

Prior to installing the pipework, sweep or vacuum the floor area to ensure no debris has accumulated within the channels.

Follow the Snug Pipe Layout design and insert the pipe into the Snug Low Profile Groove Board accordingly.

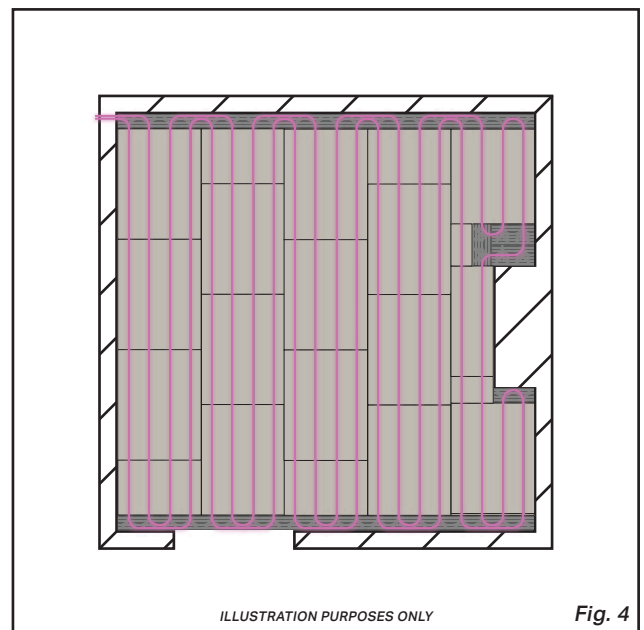
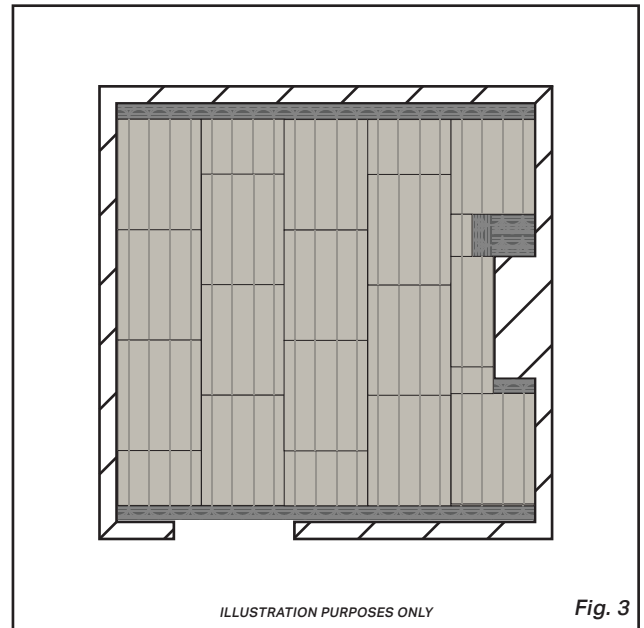
The pipework will be designed in a double serpentine pattern where possible for an even and more efficient heat output. (Fig. 4). Please read page 5 for more information.



Ensure that the ambient temperature during pipe installation is at least +5°C.

STEP FOUR: PRESSURE TESTING

After installing all of the pipework, it is crucial to perform a thorough pressure test before proceeding with either the finished floor, covering boards or the self leveling process. Refer to our Pressure Test Guide, available on our website, for detailed instructions.



WARNING



If the pipe gets kinked during the installation process, replace the coil.

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STEP FIVE: FLOORING ABOVE LOW PROFILE SYSTEM

If the flooring on top of the Low Profile Groove Board system is a hard floor; for example, hardwood or tiles. These can be placed directly on top of our Low Profile Groove Board system. (Fig. 5). However, if the flooring on top of the boards is a soft floor finish; for example, carpet or linoleum. 10mm of self leveling compound or cement boards would first need to be put on top of the Low Profile Groove Board system. (Fig. 6).

(Plywood boards can be used, however this may degrade the quality of the system)

WOOD FLOORING

When installing hardwood floors, ensure the timber has a moisture content of 8-10%. It's essential to verify with the flooring supplier that the chosen floor is compatible with underfloor heating.

For tongued and grooved joints in the floor, use PU adhesive or a PVAc adhesive compliant with durability D3 of BS EN 204. Maintain a minimum 10mm gap along the floor's perimeter under the skirting to allow for potential floor swelling from moisture changes. Remove all wedges used during flooring installation once the process is finished.

For the system's initial setup, adjust the mixing valve to provide a temperature ranging from 20°C to 25°C, maintaining this for at least 3 days. After this period, you can raise the flow temperature to the designed maximum, ensuring this level is maintained for an additional 4 days to finalise the installation process.

Fig. 5

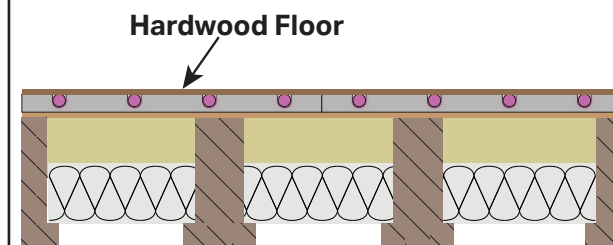


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Fig. 6

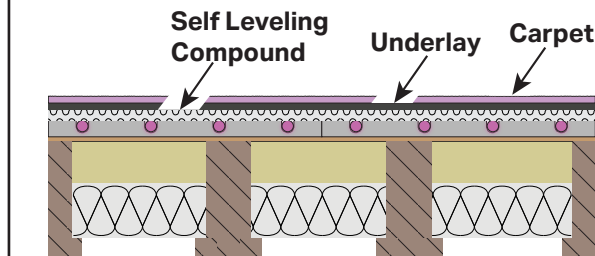
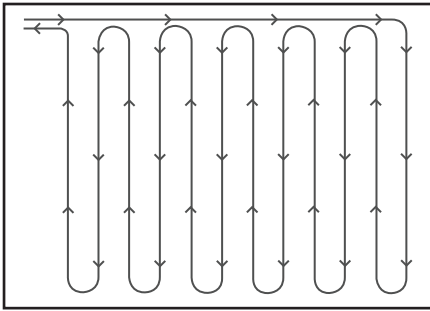


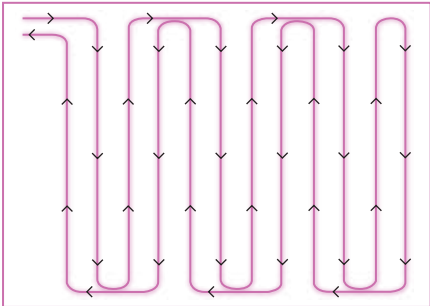
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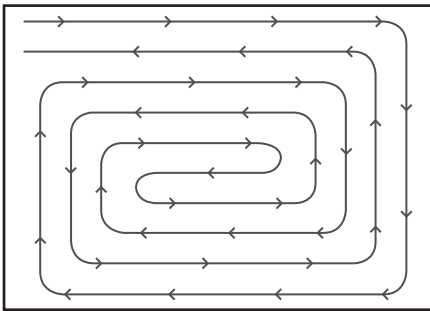
UNDERFLOOR HEATING PIPE LAYOUT OPTIONS



Serpentine - The pipe will run the length of the heated area before running back and forth through the heated area.



Double Serpentine - The pipe will run back and forth through the heated area at a 3-to-1 ratio. Once reaching the far end of the area, the pipe will run back on itself at the correct spacings filling any gaps.



Spiral - The pipe will run around the edge of the room making its way to the centre at double spacings, once at the centre, the pipe will work it's way out through the middle of the already layed pipe.

*The highlighted pattern is the best recommended pattern for this system.