

Complete Technical Support

At **DEVEX SYSTEMS** we assemble, fabricate and distribute specialised heating products nationally, including electric & hydronic floor heating and radiant overhead heating, as well as radiant overhead heating.

- ✓ Obligation-free design and quotation services
- ✓ Installation of Floor Heating – Sydney
- ✓ After-Sales Service & Support and Fault Finding – National

We strive to provide superior comfort through high quality, sustainable heating solutions delivered with service excellence. With over 4 decades of expertise and experience in the industry, you can trust us to design your system right!



Devox Systems specialises in heating solutions for new or existing buildings in residential, commercial and industrial environments.

For more information, please contact us at 1800 636 091 or info@devexsystems.com.au
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FLOOR HEAT®
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INNOVATIVE HEATING SOLUTIONS



Installation Guide

F-Board

Insulation

Electric Floor Heating



F-Board Insulation

The F-Board is designed to be used beneath floor heating systems to minimise downwards heat loss and improve warm-up times. The F-Boards are made of extruded polystyrene and a polymer cement filler material reinforced with fiberglass mesh.

F-Board insulation is practical in small applications like bathrooms, en-suites, and powder rooms. These areas usually require faster warm-up times, higher floor temperatures than larger, general living areas and are often used for short periods of time.

The F-Boards are used as under floor insulation when combined with the X cable or X mat.

It is not necessary to waterproof the F-Boards

Features

- High water resistance
- High insulation value
- High compressive strength
- Very light weight
- Easy to install

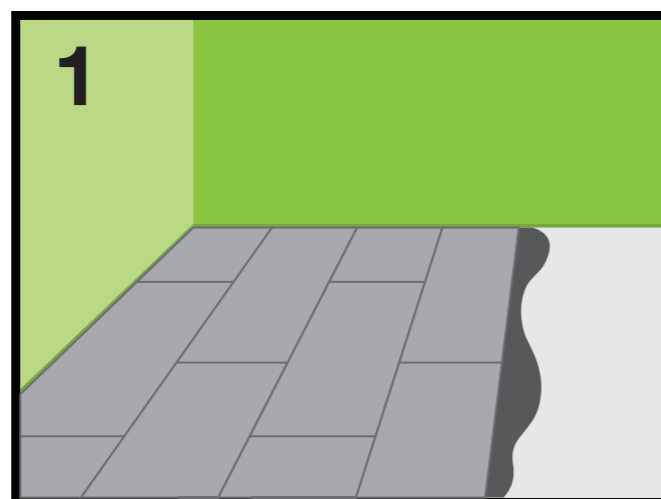
Technical Data

Type	Dimensions (mm)	Coverage (m ²)	R (m ² K/W)	Flammability
F-Board 6	1200 x 600 x 6	4.32	0.15	E
F-Board 10	1200 x 600 x 10		0.27	

Installation Method

Step 1

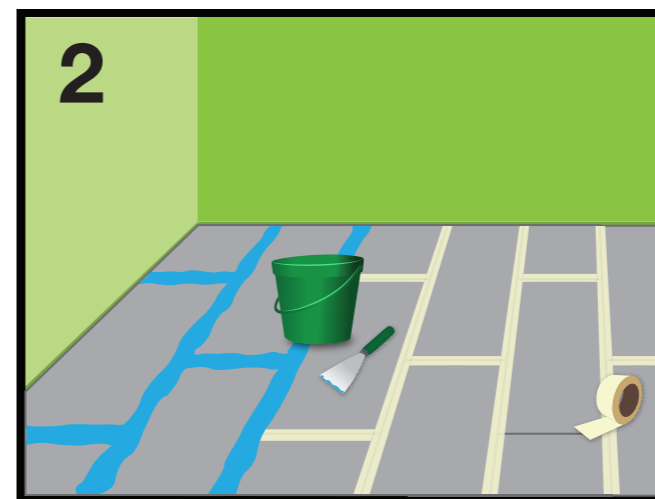
Before laying down the F-Boards, check that the floor is set if this is a recent pour and is free of dirt or grease. Repair and/or clean the sections where required. Cover the floor with a coat of adhesive appropriate for the floor composition.



Step 2

When mounting F-Boards on more yielding foundations such as a wood, we suggest using 10mm boards. The adhesive used to fix the boards should be flexible and recommend securing each board with 4 anchors, placed at least 30mm from the edge of the board.

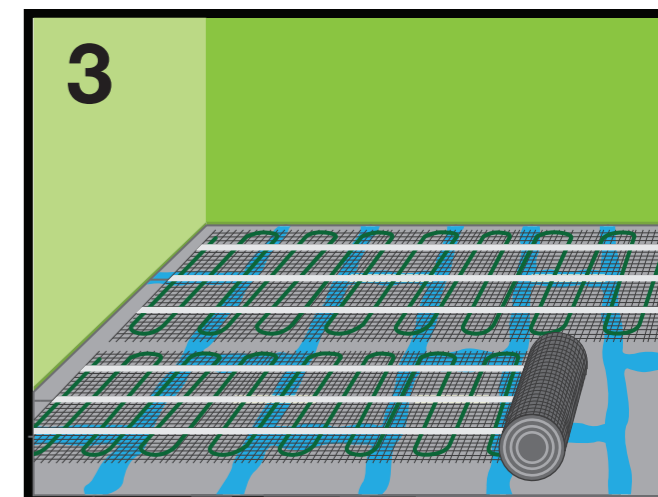
The seems and any gaps between F-Boards should be covered with masking tape. The tape should overlap at least 20mm to provide a strong seal. Apply SMP Evo (or similar) adhesive material and spread the compound over the tape.



Step 3

A waterproof membrane is recommended and can be placed below or above the F-Board. However it is not necessary to waterproof the F-Boards. Allow the adhesive material to harden.

Now you can install the X cable or X mat according to the Devex Systems installation guides.

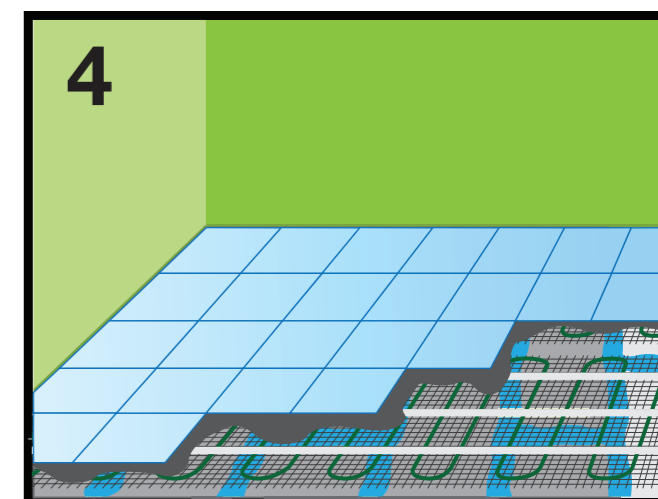


Step 4

Place the heating mat along the heating area. Apply a layer of flexible sealing cement over the heating mats and cover with the floor tiles.

You will need to follow the installation instructions particular to the X mats or X cables during this process. Note that the tile joints should not be placed over the F-Board joints to prevent unnecessary heat loss. We recommend using SMP Evo adhesive material to fix the tiles to the F-Board sheets.

Please refer to the F-Board specification sheet for further details.



Note: it is not necessary to install F-Boards under permanent fixtures i.e. benches and cupboards.