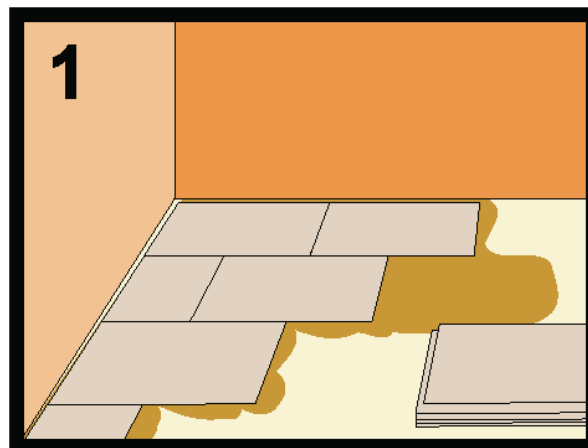


F-Board Insulation - Installation Guide

The F- boards are made of extruded polystyrene, and the surface finish on both sides consists of a polymer cement filler material reinforced with glass-fibre mesh. The F- boards are used especially as an underlying material beneath floors having Devimat™ heating cable, as they reduce the heat from conducting into the lower parts of the structure. It is not necessary to protect the boards with additional hydroinsulation.

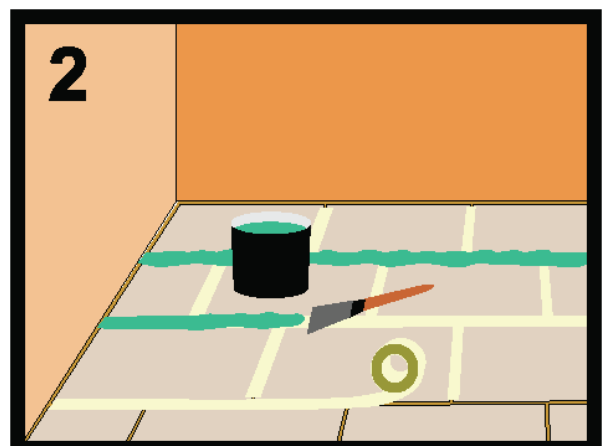
Type	Dimensions (mm)	Package (pcs.)	Coverage (m ²)	R (m ² K/W)	Flammability
F-board 6	1200 x 600 x 6	6	4.32	0.15	E
F-board 10	1200 x 600 x 10			0.27	

Before laying the cables, it is important to check the foundation layer to ensure that it is properly set, dry, solid, and free from dust and grease. Areas that are unstable, not solid or dirty must be removed and repaired. Before applying the boards, cover the foundation with a suitable penetration coat according to the nature of the foundation and the adhesive material.

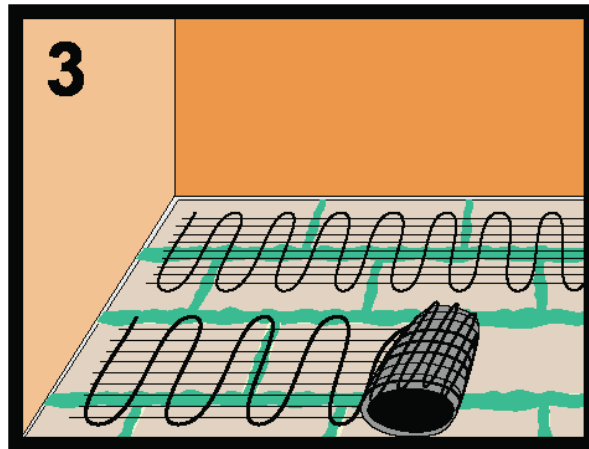


Spread the adhesive sealing cement with a notched spreader on the cement base. Place the boards as shown in Picture 1, setting and aligning them properly. Allow the adhesive material to harden, as described in the instructions for use. When laying the boards, the adhesive material must not come into the spaces between the boards. The expansion joints in the foundation must be preserved.

When affixing the boards onto a wooden foundation or other foundations that are unstable with regard to their dimensions, the adhesive sealing cement must be sufficiently flexible. For that purpose, we recommend using the 10 mm F- boards. For these foundations, we recommend anchoring the boards with at least 4 anchors per board and placed at least 30 mm from the edge of the board.



Any gaps or voids between F-Boards should be covered with reinforcing gauze fabric tape. Apply SMP Evo (or similar) adhesive material, place the tape, and spread the material over the tape with a spreader. The tape should overlap at least 20mm.



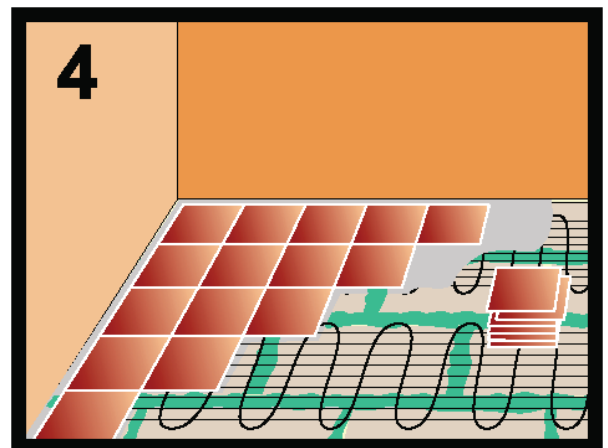
A waterproof membrane is recommended but this can be placed below or above the F-Board. The membrane must not be placed over the heating cables. The F-Board need not be protected with additional hydroinsulation.

Allow the adhesive material to harden, as described in the instructions for use.

Follow the DEVI^{mat} Installation instructions for the laying of heating cable.

Place the heating mat accordingly for the desired heating area. Apply a layer of flexible sealing cement onto the heating mat and then place the floor tiles. Follow the instructions for their use when laying the heating mats (cables).

The tile joints in the surface finish must not be immediately above the corresponding spaces between the F- boards. The underlying expansion joints must be preserved.



We recommend **Davco SMP Evo** cement-based flexible tile adhesive to glue down the F-Board sheets and to glue down any floor tiles to the F-Board sheets.

<http://parexdavco.com.au/media/1854/davco-smp-evo-data-sheet.pdf>

Refer also to the Brochure for F-Board technical specifications.