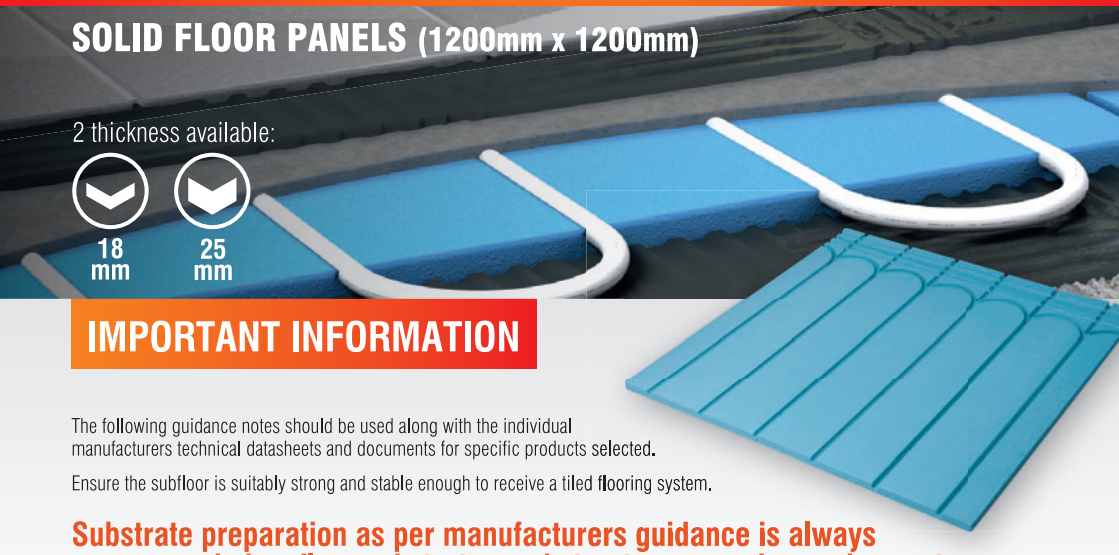
SOLID FLOOR PANELS (1200mm x 1200mm)



2 thickness available:

18 mm

25 mm

IMPORTANT INFORMATION

The following guidance notes should be used along with the individual manufacturers technical datasheets and documents for specific products selected.

Ensure the subfloor is suitably strong and stable enough to receive a tiled flooring system.

Substrate preparation as per manufacturers guidance is always recommended as floor substrates and structures vary in requirements.

This document cannot cover all possible scenarios. The preparation must make the subfloor suitable to receive a flexible cementitious tile adhesive as per TTA guidelines.

This may include over-boarding of timber floors, introduction of extra noggins to support the flooring, assessment of dryness of screeds, suitable priming of, eg, calcium sulphate screeds, removal of laitance (ie: scarifying the floor is essential), removal of adhesive residues, and smoothing of subfloors with appropriate smoothing compounds.

Suitable Timber Substrates include:

- 18mm exterior grade plywood fixed to solid and sound joists at 400mm centres.
- Overlay of existing timber floors with 15mm exterior plywood, which has been sealed on the edges and back, fully screw down the plywood at 150mm intervals ensuring all junctions are supported by noggins or joists.

Suitable Solid Substrates include:

- Fully cured concrete that must be at least six weeks old and thoroughly dry.
- Solid screeds that have fully cured in relation to thickness as per manufacturers guidelines.

For any substrates, such as power floated concrete, calcium sulphate screeds, not listed above please seek manufacturers advice as to priming recommendations.

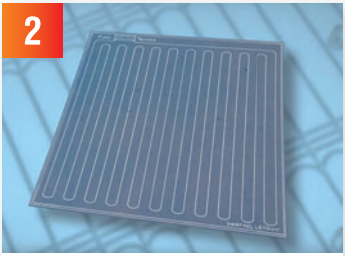
For information on different floor finishes and minimum thickness requirements for levelling compound, please refer to the table at the back of the book.

INSTALLATION STEPS

1

Remove all contaminants, dirt, grease etc. from the substrate and make dust free.

2

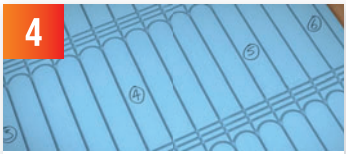


If supplied with a pipe layout diagram make a note of how to position the boards.

3

Loose lay the boards across the floor and number the boards on the upper face to identify position of each board, making sure the pipework runs are calculated correctly to reach manifold position.

4



Uplift the numbered boards and prime the underside of the boards with Ultra Floor Prime-IT MSP bonding primer. This should be applied by brush or roller in a thin film. Allow to thoroughly dry to a clear green film ensuring primed face does not come into contact with other boards, walls or subfloor until it is ready to be bedded.

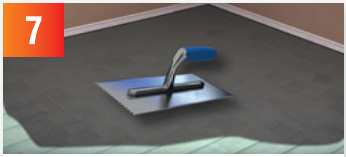
5

Drying time will depend upon ambient conditions but is typically between 1 and 4 hours.

6

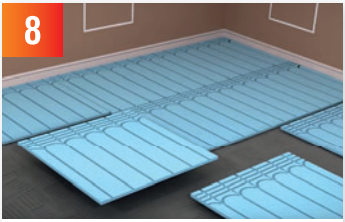
Whilst the primer on the boards is drying commence with priming of the substrate using UltraFloor Prime-IT MSP. The primer should be diluted 3 parts water to 1 part primer and allowed to fully dry.

7



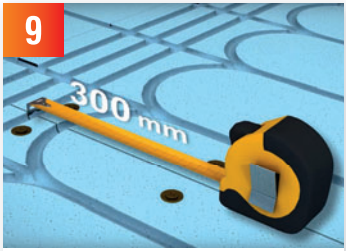
Apply UltraTile Proflex SP adhesive to the subfloor using a notched trowel to give a minimum 3mm adhesive bed. Laying the boards as you go (The depth of the adhesive bed may need to increase if the substrate is not sufficiently level. Additional levelling compound may be needed if areas are any deeper than 2-3mm).

8



Bed the boards, primed side down, into the adhesive and ensure compression of adhesive ridges, ensure full compression of the adhesive to give a void free full adhesive bed.

9



Additional use of ProWarm™ screws and washers is recommended over timber substrates where needed, fixed at every 300mm.

10

Allow adhesive cure for approximately 4 hours (depending on temperature) to ensure the adhesive has gone through its initial set before carrying out any further works

11

Ensure your floor is free from any debris before installing the pipe. It is important to check in all the grooves as the pipes could be damaged during installation if there are any obstructions.

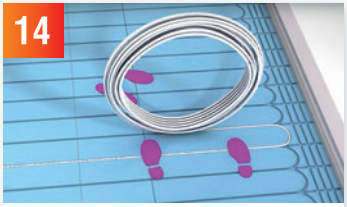
12

Pipe work may be fitted into the boards once they are all secure. Where possible this is best left for 24hours. It is recommended that the pipe system is checked for leaks and correct water pressures prior to tiling over.

13

Try and limit the amount of walking on the boards, and where possible lay boards to prevent indentations on the boards.

14



Above picture: illustration purposes only, ideally the pipe should be unrolled using a de-coiler or in the horizontal position to allow for ease of laying the pipe (This will stop the pipe trying to spring out of the boards at the end of the panels).

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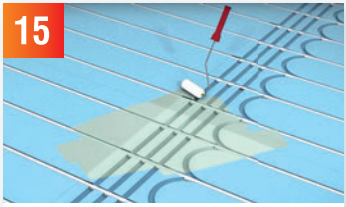


Prime the upper face of the boards with a neat coating of Ultra Prime-IT MSP bonding primer. This should be applied by brush or roller in a thin film. Allow to thoroughly dry to a clear green film, (approx 1-4 hours).

You now have two options

You can either tile directly on top of the panels using a Class II adhesive or install a latex levelling compound prior to laying the tile adhesive/ floor covering.

Tiling directly on top can save on total floor build up height but using a levelling compound will ensure that the pipework is not damaged during the tiling process, however either way works.

USING A LEVELLING COMPOUND

1

Apply Ultra Floor Level-it 2 two part smoothing compound over entire floor area, making sure all voids and gaps are completely filled, the levelling compound should encapsulate the whole floor and cover the board with a 5mm layer on top (if tiling). If fitting Vinyl this must be a minimum depth of 10mm.

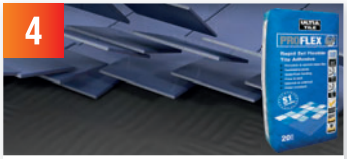
2

Allow to cure for a minimum of 24 hours prior to carrying out any tiling. Cold and/or humid atmospheres will delay the curing of Level-it 2 so allowances should be made accordingly. Check product specification for more details.

3

Prime the cured Level-it 2 using Ultra Floor Prime-IT MSP diluted with 3 parts water to 1 part primer. Allow to thoroughly dry.

4



Fix the tiles using UltraTile ProFlex SP adhesive. Ensure full compression of the adhesive to give a void free full adhesive bed. Allow the adhesive to cure for a minimum of 4 hours (depending on temperature) to ensure the adhesive has gone through its initial set before carrying out any further works.

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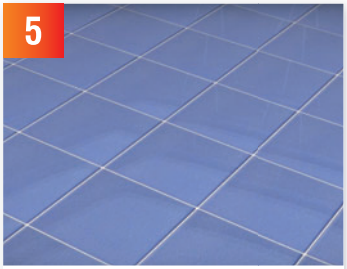


Grout the tiles using UltraTile Flex Joint grout. Allow to fully cure before trafficking.

Scan to view install video

USING TILE ADHESIVE ON SOLID FLOOR PANELS DIRECTLY

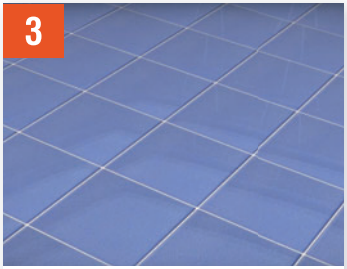
1

Fix the tiles using UltraTile ProFlex S2 adhesive. Ensure that every pipe channel and void surrounding the pipe is fully encapsulated with tile adhesive.

2

When laying the tiles ensure full compression of the adhesive to give a void free full adhesive bed. Allow the adhesive to cure for a minimum of 24 hours (temperature dependent) before grouting.

3



Grout the tiles using UltraTile Flex Joint grout. Allow to fully cure before trafficking.

IMPORTANT

The Underfloor heating system should NOT be brought into service for at least 14 days.

After this time the water temperature should be brought up gradually by 5°C per day to the maximum working temperature (normally 45°C, internal pipe temperature).

If you are in any doubt about any part of the installation process, then call us for advice on 01268 567019.

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THICKNESS OF LEVELLING COMPOUND REQUIRED

FLOOR FINISH	MINIMUM THICKNESS (mm)
Tiles / Natural Stone	6mm
Vinyl (Amtico, Karndean etc...)	10mm
Engineered wood or Laminate (Bonded down)	10mm
Carpet (Keep TOG value below 2.5 inc underlay)	10mm
Other	Speak to ProWarm™ Technical on 01268 567019