



HOW TO FINISH DIFFERENT FLOORS WITH OUR UFH

Tile/Stone

The XPS Overlay Response system is one of the few boards that you can tile directly to due to their high compressive strength. The board has been tested and approved by the leading brands; Mapei and Ultra when using their specified products and methods. While the tiling adhesives or primers are not provided by Ultraflow, they can be sourced from local merchants or online.

The approved and tested products are:

- 'Ultra Proflex S2', when primed using 'Ultra prime it multi surface primer'. Suitable for ceramic, porcelain or natural stone directly on to the boards.
- 'Mapei Kerabond T' mixed with Isolastic at a ratio of 100:33 Kerabond T to Isolastic, no primer required. When bonding natural stone with Mapei Kerabond T & Isolastic, it is recommended to use their approved renovation-screed first (5-10mm of Ultraplan renovations screed when primed with their eco prim grip).

It is possible to also use a de-coupling membrane when tiling to the surface of the boards, although not required, as the recommended adhesives are highly deformable. We still recommend using the approved adhesives when using a de-coupling membrane. When grouting, any flexible grout can be used.



Carpet

There are two methods of installation when using the XPS Overlay Response system with carpet as your floor finish.

The first, is to use 5-10 mm of approved self levelling compound on top of the pipes and panels and then lay the carpet on top.

The approved compounds are:

- 'Ultra level IT 2', when primed using 'Ultra prime it multi surface primer'.
- 'Mapei Ultraplan Renovation Screed' when primed with 'Mapei Eco Prim Grip'

While the levelling compound or primer is not provided by Ultraflow, it can be sourced from local merchants or online.

The second, is using HDF Overlay Duo boards. The board is placed on top of the Ultraflow panels and then the carpet is laid on top of the duo board. Note that the duo boards will add 0.5 Tog of thermal resistance and 7mm to the profile height. To allow for gripper rods to be fitted, it is recommended to install a 16/20mm batten around the perimeter of the room to allow the grippers to be screwed or nailed down.



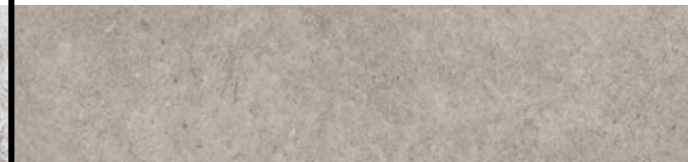
Concrete

Concrete floors are a great partner for underfloor heating as concrete is a conductor and spreads the heat very well. The thermal mass of concrete helps the material retain heat to ensure that each room, and your entire home, can stay warmer for longer. This is a huge advantage to have over a conventional radiator system and with that in mind, a polished concrete floor can work incredibly well with underfloor heating. Plus, it looks great too! Installing Underfloor Heating with Concrete Flooring When using concrete as a floor finish with the XPS Overlay Response boards, you will need to apply a thin layer (5-10mm on top of the pipes and panels) of approved levelling compound for the concrete to be poured onto. When you are installing a system with concrete as a floor finish it's important to know that you let the concrete dry naturally, rather than try to force dry it.

The approved compounds are:

- 'Ultra Level it TWO', when primed using 'Ultra Prime it multi surface primer'.
- 'Mapei Ultraplan Renovation Screed' when primed with 'Mapei Eco Prim Grip'

While the levelling compound or primer is not provided by Ultraflow, it can be sourced from local merchants or online.





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Wood

Wood can be installed on the Ultraflow XPS boards free-floating on underlay or with an approved wood adhesive. In general, it's best to lay the finish perpendicular to the floor heating boards. If you have ideas about how you want your flooring to function, CAD designers can consider them during the underfloor heating design stage. If you want to bond wood directly to the surface of the panels, They have been tested and approved for use.



Vinyl

When installing a vinyl or LVT floor over the Ultraflow UF system, you must first prime the boards with an approved primer before pouring a thin layer of leveling compound (5-10mm) on top of the pipes and panels. Then apply the floor finish on top of that. This is necessary because LVT and vinyl finishes are frequently quite thin.



Lamiate

When using laminate as a floor finish with the Ultraflow UF system, it is recommended that you install it free-floating on top of an underlay that will be included with your system. To protect them, most laminate floorings should not exceed a floor temperature of 27 degrees.

