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Underfloor heating & cooling.  
Dry panel products.



Only working with industry leading companies to provide the products they need for their customers to provide a first class underfloor heating installation.



#### WHO WE ARE

The roots of Suprema Eco Solutions go back to 2004, when we started to operate in the building materials market and expand our knowledge of innovations in construction. The current name is related to the direction we are going. In the selection of products, we are guided by their maximum safety for health and the environment, as well as durability and resistance to adverse weather conditions.

#### OUR BUSINESS & EXPERTISE

Underfloor heating is now a well-established technology. The benefits are well known such as lower running costs, being more comfortable, providing design freedom, using less energy and being safer.

At Suprema Eco Solutions we see these technologies transforming the indoor environment. Products that we make for timber and dry constructions for example, have pushed the industry even further forward and generated invaluable experience in good emitter design.

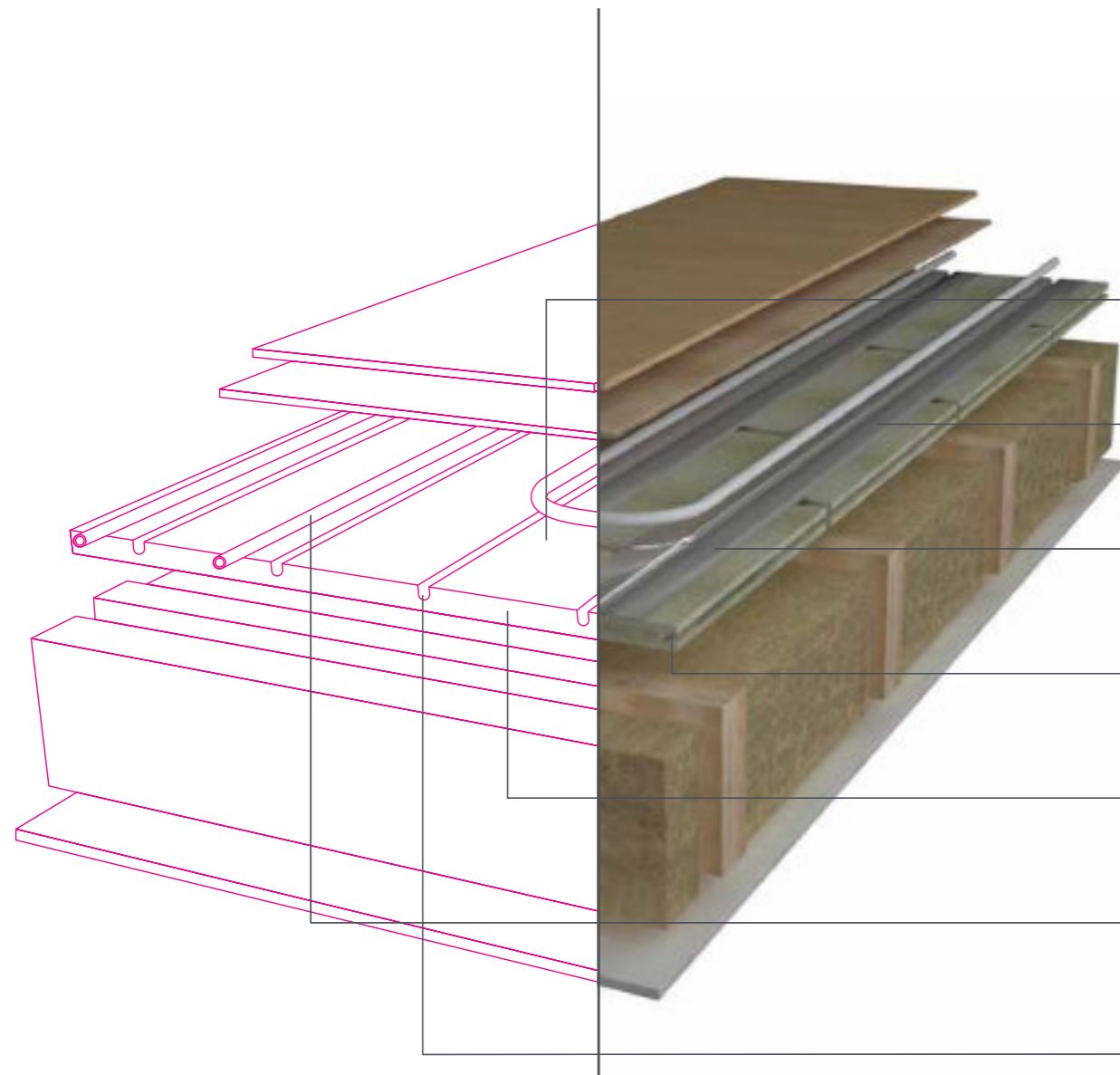
**We offer products to work with all floor constructions using a variety of materials, pipe centres & sizes.**

#### EXPERIENCE

We gain experience from frame construction building, and are able to satisfy clients with the highest demands.

best specialists + high quality production process = the lowest price













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## CHOICES & OPTIONS

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A wide variety of choice is available to suit any construction or application. Suprema Eco Solutions can easily create new designs from scratch or adopt an existing emitter model.

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**STANDARD OR BESPOKE DESIGN**  
 Channel design that enables the installation to be done more easily.
- 
**DIFFUSER THICKNESS & TYPE**  
 Bonded aluminium thickness from 50 micron (um) or unfoiled for diffuser.
- 
**BRANDING**
- 
**PANEL THICKNESS**  
 As required but typically from 15mm upwards.
- 
**MATERIALS**  
 Expanded polystyrene, extruded polystyrene, wood fibre, wood chip, cementboard and more.
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**PIPE SIZE**  
 From 10mm+.
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**PIPE CENTRES**  
 As required.

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## CONSTRUCTIONS

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Panels can be designed to suit any floor construction. Our unique technical skills and manufacturing knowledge will always ensure that the product delivers the optimum performance for the given application.



Our manufacturing process enables products to be created that can be incorporated within all types of floor, wall or ceiling construction.



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## MANUFACTURE

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Suprema Eco Solutions's manufacturing process enables products to be created that can be incorporated within all types of floor, wall or ceiling construction. Our unique ability, with patented manufacturing techniques, enables us to bespoke products manufacturing from a diverse range of materials allowing underfloor heating to be a consideration in any floor construction.

For example, Suprema Eco Solutions manufactures a range of insulation based floating floor systems that can be manufactured from extruded polystyrene (XPS) for applications where high-compressive strength is important or from (EPS) where a lower cost expanded polystyrene system is more appropriate. As with all Suprema Eco Solutions systems the product can be made to use any size or type of pipe and in a range of thicknesses.

Low build up systems enable underfloor heating to be used in retrofit applications where the existing floor cannot be replaced. These systems rely on being easy to install with installation over the existing floor and being as thin as possible. Suprema Eco Solutions has many years experience in the manufacture of these products using materials including cementitious board and wood fibre.

Suprema Eco Solutions is also able to integrate acoustic insulation into its products for applications where sound-reduction is important.

Structural floors with underfloor heating can be complicated to manufacture, Suprema Eco Solutions has long experience manufacturing panels from chipboard, plywood, OSB and other materials in a variety of sizes. Ensuring structural performance and conforming with the appropriate standards is crucial but often overlooked in the industry. Suprema Eco Solutions rigorously tests all of its structural floors to ensure that they comply.

Suprema Eco Solutions specializes in innovative dry construction products, f. ex. for heating wooden flooring and other structural floors requiring the use of a heating or cooling system.

We are able to provide panels that will meet the needs of our customers, regardless of the application.

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## PROCESS

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### 1. SPECIFICATION

Client decides on the product specification whether standard or bespoke.

### 2. SIGN OFF ON BESPOKE PRODUCT

Samples are manufactured for the client, revisions made if necessary and then signed off.

### 3. TESTING

If testing is required, for example to determine the heat output, then Suprema Eco Solutions can undertake this on the client's behalf.

### 4. MANUFACTURE AND DELIVERY

Supplying direct to the client or to site.

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## WORKING WITH US

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If you have an application for heating and cooling emitter technologies we can work with you to manufacture the right product for your individual requirements. Suprema Eco Solutions can provide quotes for existing product designs, where there is no infringement on intellectual property, or to alter and bespoke an existing product to suit your specific application.

All our customers work with a dedicated Business Development Manager throughout this process. We will provide CAD designs and samples for sign off including any branding that may be required. As part of the supply, Suprema Eco Solutions is able to provide isometrics and illustrations for inclusion in your technical and sales literature.

Suprema Eco has a wide range of generic installation instructions, these are available to be adapted to suit your application.




For standard products we are able to provide kWh values so that heat output can be calculated to EN1264 standards.

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## GET IN TOUCH

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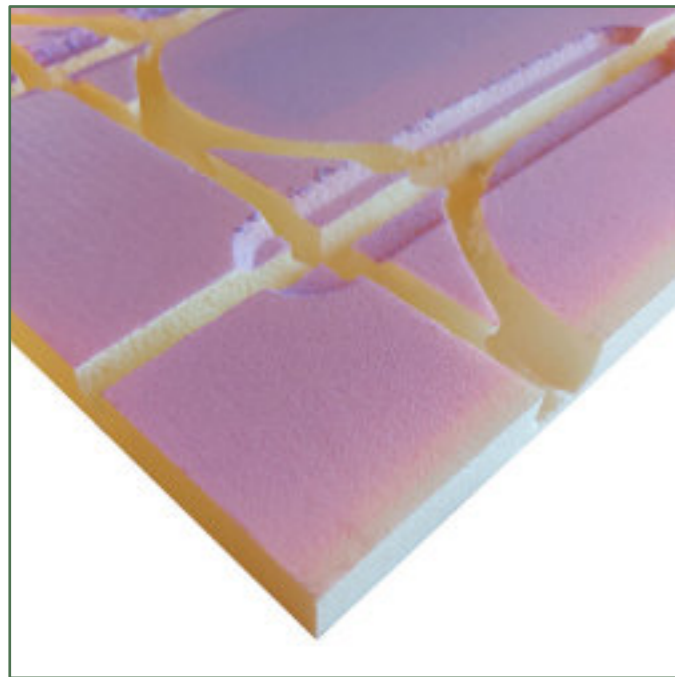
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**SUPREMA HEATING FLOOR PANELS**

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**LS**



High grade XPS insulation with peel off adhesive backing and a pre primed top surface. Suitable for laying over both flat and level primed concrete/screed or timber floors in new build or retro fit. The panel features pipe channels and diffuser channels to enhance the output. The product is finished with a thin levelling compound to receive your chosen floor finish (8-12mm). There are two panel options, a combination panel or separate straight and loop end panels with flow and return channels.

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**SUPREMA HEATING FLOOR PANELS**

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**TB**



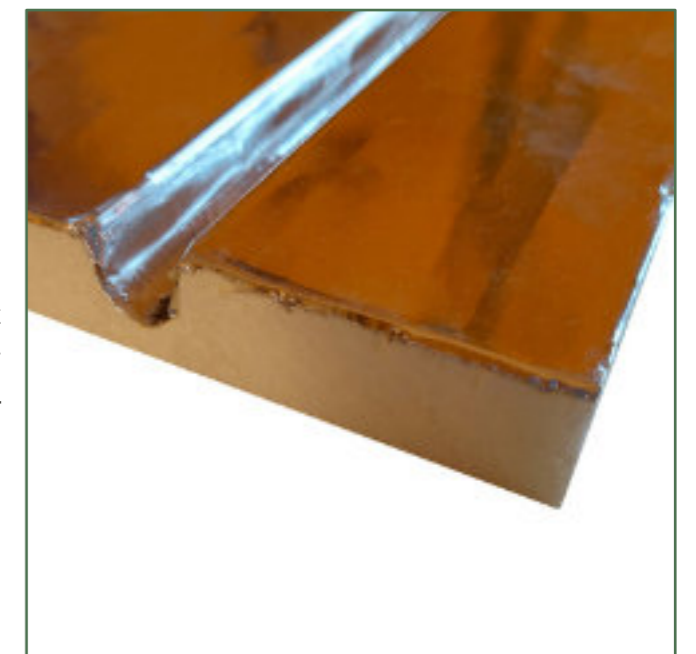
High density XPS insulated panel faced on both sides with a fibre mesh and cement. Suitable for adhering or mechanically fixing over both flat and even solid or timber floors. Ideal for tiling directly to the top surface using the correct adhesive for the type of tile. As the tiles and adhesive are conductive the heat output and warm-up are sufficient and a aluminium diffuser is not required.

**PF**



High grade XPS insulation panel featuring 17mm square edge channels, specifically for use with Diffuser Plates utilising 16mm pipe at 150mm centres. The panels can be floated, bonded or mechanically fixed to solid or timber subfloors.

**FF**



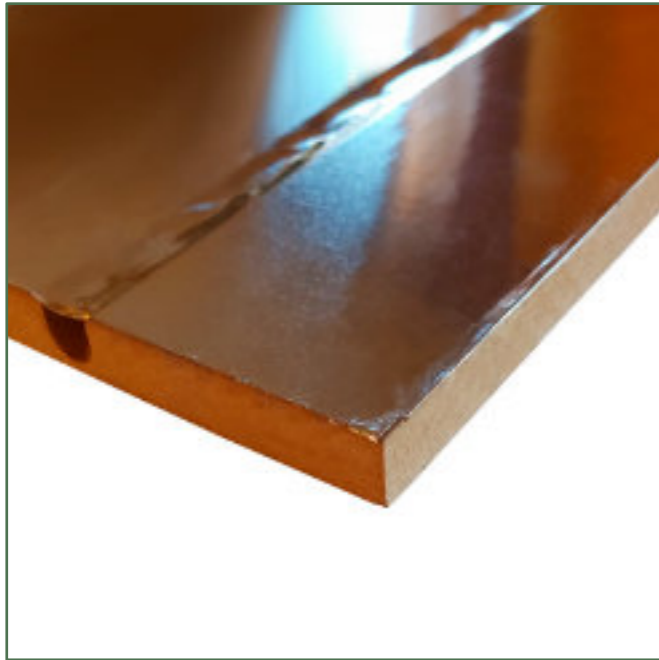
High grade XPS insulation for fully floating floors to support an overlaid tongue and groove or timber floor deck above. The panel features a pre-bonded soft temper aluminium heat diffuser with fully lined straight channels. This panel can be floated, bonded or even mechanically fixed to a solid or timber substructure.

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## SUPREMA HEATING FLOOR PANELS

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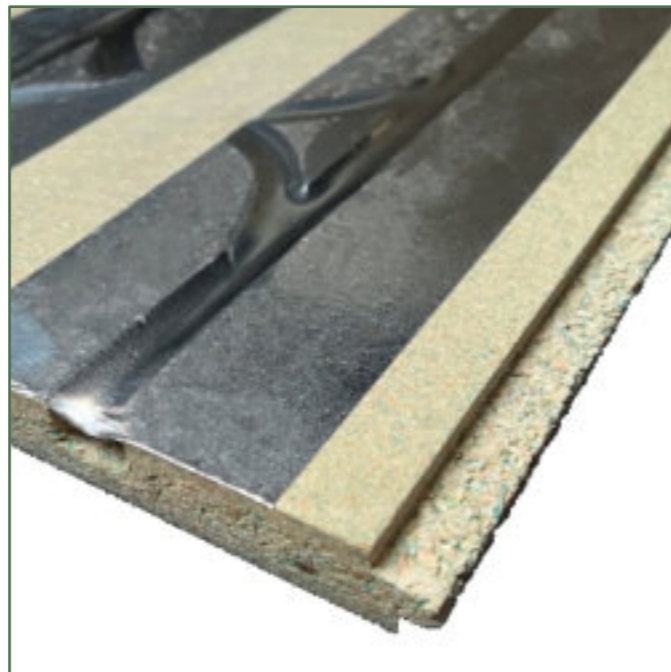
### WF



Low build up MDF panels designed for use with a covering layer such as 6mm ply for carpet or a laminate or wood floor as the finish. Panels can be floated/bonded or mechanically fixed to solid or timber subfloors.

### CB

Independently tested structural underfloor heating panel which replaces the floordeck used in constructions on a joisted or battened floor and provides a high output as the pipe is as close to the floor finish as possible. Manufactured from PS, P6 or P7 tongued and grooved chipboard, The panels have pre-routed channels to accept 12mm continuous pipe (supplied by others) and are factory fitted with aluminium diffuser strips to provide improved performance and a means of detecting the pipe. The panels are laid on joists or battens in industry standard brick pattern and the pipe is installed by piercing through the soft temper aluminium diffuser strips. The flow and return pipework for each circuit drop into the joist space and are fed to and from the manifold as a continuous system beneath the floor level. The panels then require a minimum 6mm flooring grade Ply screwed and glued to complete the structural deck.



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