



**IMPERVIA
FLOORING**

Impervia Flooring
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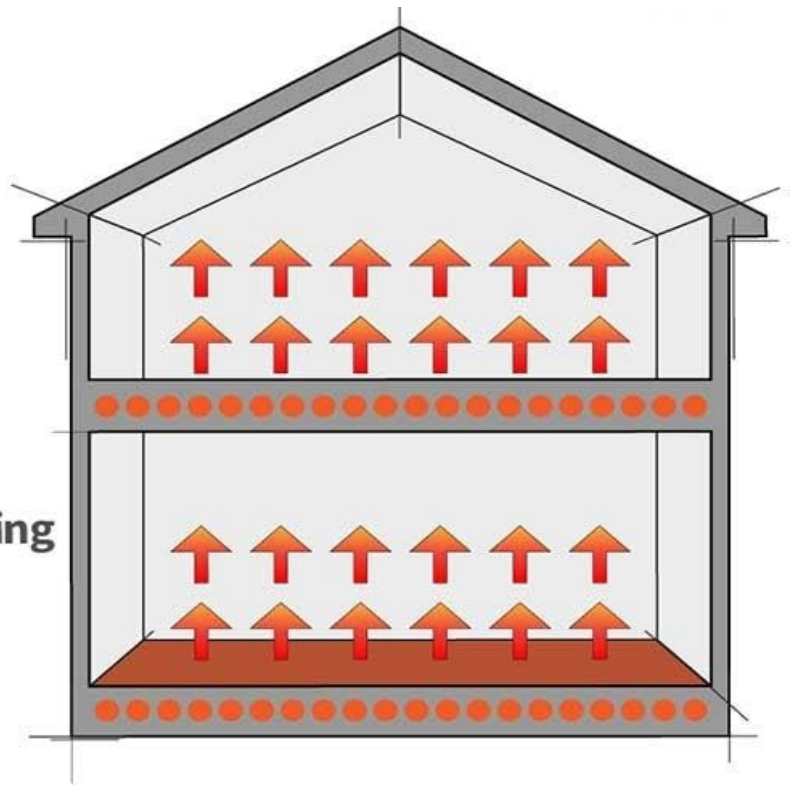
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UNDERFLOOR HEATING WITH IMPERVIA LUXURY FLOORING

The advantages of Impervia Luxury Flooring over Real Wood Flooring

There are numerous underfloor heating systems and some of them are listed below. We do not recommend any particular system so you need to do your own investigation. This is a general guidance document and we cannot be held responsible for any installation.

**THERE ARE NO
COLD SPOTS**
as it covers
the entire floor, making
for a comfortable
environment



Wood flooring with underfloor heating must be carefully considered as wood reacts to heat and humidity causing it to dry out and contract if the heating is too hot or expand and curl if the humidity is too high. The maximum subfloor temperature for wood flooring is 27 degrees.



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Maximum **underfloor heating temperature** for Impervia Luxury flooring is 68 degrees centigrade which no system can achieve. Impervia can withstand temperatures ranging from **minus 30 degrees centigrade to 68 degrees centigrade** and can accommodate any humidity levels.

There are many different types of underfloor heating systems (even the Roman Empire had them) and the most popular are listed below:

1. **Hot water underfloor heating systems** which can be installed in different ways.
 - a. Pipes embedded in a screed over insulation.
 - b. Pipes in a pre-set board laid on top of a flat subfloor.
 - c. Pipes as part of an acoustic cradle system.
 - d. Underfloor panels that can fit between joists
2. **Electric Underfloor heating Systems.**
 - a. Cables laid in a self-levelling compound.
 - b. Cables laid in preformed boards.
 - c. Electric underfloor heating mats.
3. **Infrared underfloor heating systems**
 - a. These systems come in many forms but are generally flat sheets connected together.

INFRARED UNDERFLOOR HEATING SYSTEMS



The system shown above is an infrared underfloor heating mat. Impervia can be laid directly on top of this. It normally comes in a film like the image below and Impervia Flooring can be installed directly to this without the need for any underlays or adhesive.

The cost savings associated with using Impervia are considerable both in terms of materials and labour. The simple push fit system with a built in underlay means there are no additional material costs. All you need is a flat floor.



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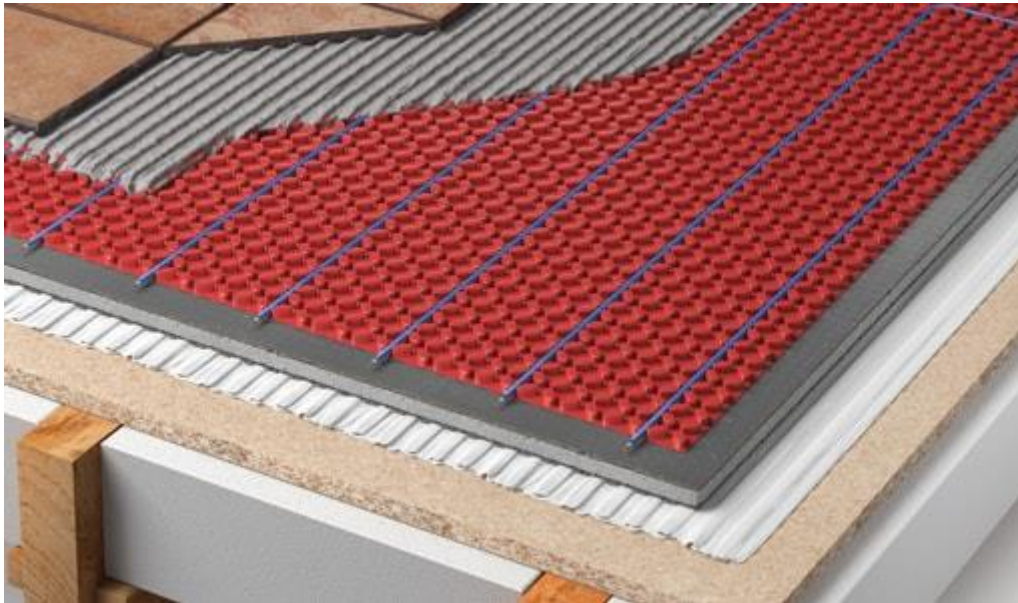
Whenever laying Impervia Luxury flooring over an underfloor heating system be more careful when tapping the corner lock joints. Any subfloor and matting must be perfectly flat and level. This can be achieved in many different ways so please ask your builder or underfloor heating specialist to advise. We cannot be held responsible for any information or advice regarding underfloor heating systems or how to install the system or subfloor.

For the above infrared mat, only use Impervia planks.



ELECTRIC UNDERFLOOR HEATING SYSTEMS

The image below shows an electric mat system where Impervia can be laid directly on top without the need for the adhesive shown which is required for ceramic tiles.



The image below shows matting which is laid out and taped to a flat subfloor and connected together. As long as it is good quality Impervia can be laid directly on top of this. You must be careful with installation making sure no cables get damaged or connections broken.

With this type of matting only use Impervia Planks or tiles. It is not advisable to use herringbone due to the size of each piece.



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WATER UNDERFLOOR HEATING SYSTEMS

The image below shows an underfloor heating system laid between joists. If you have engineered or solid wood flooring you will need the plywood on top, however with Impervia you can lay directly over the pipes. The screws holding the brackets must be fully counter sunk so that they do not protrude above the surface. The metal plates holding the water pipes should support the floor if they are good quality. If not, then fix a 10mm plywood on top and fit Impervia on this.



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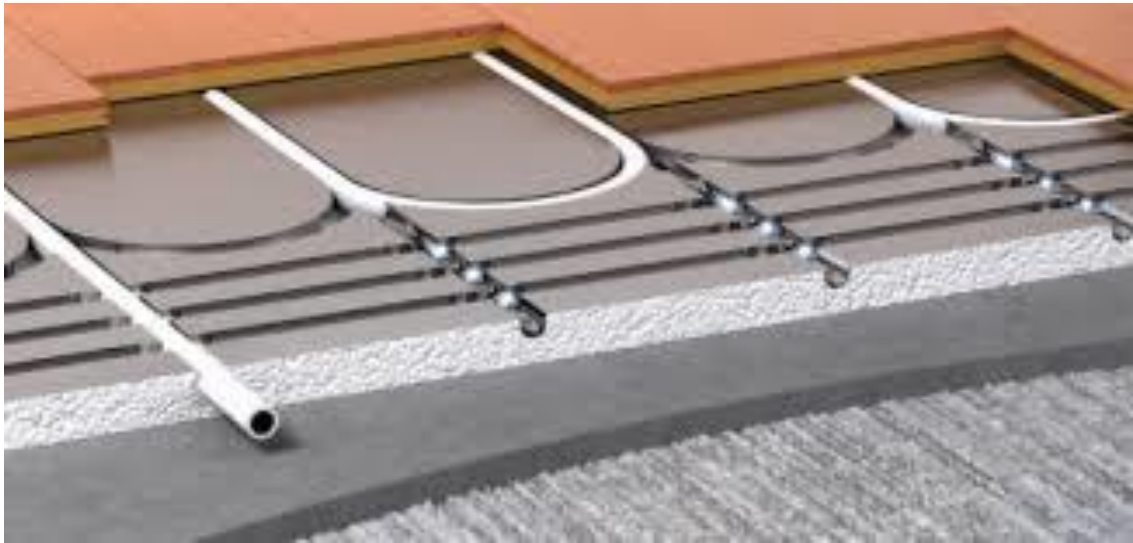


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The images below show a slimline underfloor heating system where Impervia can be installed directly on top.



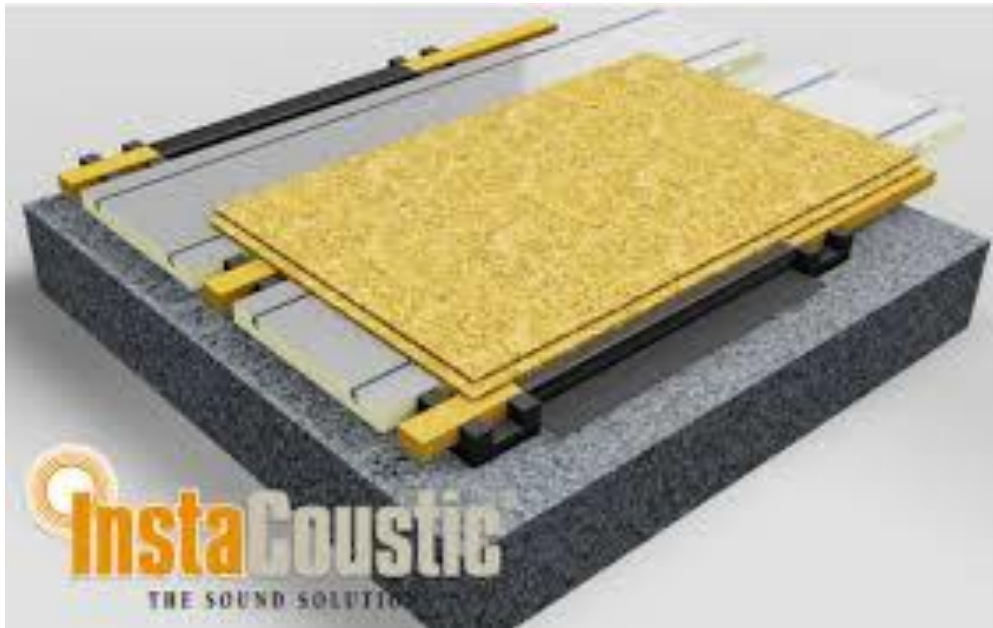


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The acoustic system below would normally need a chipboard or plywood board on top with wood flooring. Impervia does not require these additional materials as it can be installed directly on top, thus saving you materials and labour costs.



Please call 01666 504015 for further information.



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