

Underfloor Heating Systems

COMPATIBILITY &
COMMISSIONING
GUIDE

FREVINI
STUDIO

Underfloor heating system compatibility

When selecting an underfloor heating system, it is crucial to ensure its compatibility with direct fixed engineered flooring.

Frevini's preferred underfloor heating systems are hydronic or electric systems, which are set in a slab or screed. For optimum heat transferal, Frevini recommends even and secure placement of water pipes or wires throughout the entire timber flooring area. Before beginning, ensure screed is suitable to use with a direct fixed engineered floor and the thickness of screed or slab is within the recommended guide.

System and Placement Guide



Hydronic Heating System

The water pipe placement should be no wider than 150mm with an ideal slab coverage of 40–60mm. (TBC)



Electrical Heating System

The electrical wires should be securely fixed to the substrate placement of the wires should be no wider than 100mm (TBC) with minimum screed coverage of 8mm.

Commissioning Guide

1. The underfloor heating system must be operational three weeks prior to the arranged installation date.
2. Ensure underfloor heating system is fitted with a temperature regulator, surface thermostat and if necessary, a temperature humidity monitoring system. For more information, please contact the Frevini Team.
3. Initiate commissioning of the underfloor heating system by increasing the temperature 5 degrees per day until the system reaches 27 degrees.
4. Maintain the system temperature at 27 degrees for a minimum of 72 hours. (TBC)
5. Using a Hygrometre, test and record RH levels of the slab or screed. For optimal product performance, the RH level must read 70% or below.
6. If the slab or screed exceeds the required RH level, repeat the commissioning steps.
7. Store unopened engineered timber flooring packs in the area of installation for 48 hours before commencing the installation.
8. Ensure substrate is structurally sound, level and free of cracks. If the substrate requires preparation please refer to Frevini's Installation Guide.
9. For additional protection, Frevini recommends applying a moisture barrier/sealer to the substrate. Please Consult Technical data sheets from manufacturers to ensure they are also suitable with underfloor heating.
10. In preparation for the installation, turn the commissioned system back on, increasing the temperature by 5 degrees per day until it reaches 15 degrees.
11. Leave the system on for an additional 48 hours after the installation has been completed. This step allows the timber to properly acclimatise to the heat.

Note: *The final responsibility for the installation lies with the installer. If there is any doubt about product suitability, it is the duty of the installer to check with Frevini staff before installing any Frevini timber floor on an underfloor heating system.*

Post installation and usage



Increase temperature gradually

When turning on the underfloor heating system for the first time, it's important to increase the temperature gradually. Frevini recommends increasing the temperature 2 degrees per day until the system reaches the ideal surface temperature.



Recommended surface temperature

Set thermostat to ensure the floor surface temperature does not exceed 27 degrees. Optimal surface temperature range is between 22 -26 degrees.



Avoid the use of rugs

Avoid the use of rugs and furniture covers that trap heat, as they can create hot spots, lifting the surface temperature above the recommended temperature.



Alternative heat sources

Consider lowering temperature if the floor is exposed to alternative heat sources such as fires, heaters and substantial direct sunlight.



Take the colour of your floor into account

Mid to dark toned timber floors conduct more heat. Frevini recommends adjusting the thermostat temperature to suit the colour and environment which the floor is installed into.



Reheating after a long break

When heating your system back up again after a long period, it is important to follow the same steps as when heating up your system for the first time. This allows your flooring to adjust to the raising temperature again.



Installing timber flooring over underfloor heating adds a layer of comfort and luxury—but it also requires precision, care, and clear communication across all trades involved. Following this guide ensures your Frevini floor not only performs as intended but also lasts for years to come.

Thanks for choosing Frevini. You've invested in a premium floor—this guide helps make sure it performs like one.

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