

Radiant Heat Applications of moderna® Laminate Flooring and moderna® Engineered Hardwood Glueless Flooring

moderna® Laminate Flooring and moderna® Engineered Hardwood Glueless Flooring* may be installed over hydronic radiant heated subfloors if the following is observed:

- Verify that the hydronic radiant heating system of your choice does not generate isolated hot spots.
 1. Heat must be distributed evenly throughout the floor.
 2. Maximum permissible surface temperature must not exceed 82°F (27°C).This protects your wood floor from becoming (locally) parched, (locally) stressed & strained, and eventually damaged.
- Always use a competent, experienced radiant floor installer – preferably one who can provide you with an accurate, computer-generated heat loss, and design.
- Strictly follow manufacturers' guidelines of the wood flooring and hydronic radiant heating systems.
 1. Warranty coverage may be lost due to failure to strictly follow all pertinent installation instructions, or the use of improper material and/or tools.
 2. Warranty coverage may be lost, if the installation guide of the hydronic radiant heating system does not comply with the installation instructions and recommendations of moderna® Engineered Hardwood Glueless Flooring.
- Always keep room temperature at 65-72°F (18°C-22°C) with relative humidity between 45-55%.
- Control boiler-water temperature with some type of weather-responsive control to help minimize fluctuations in water temperatures and, consequently, floor surface temperatures.
- Allow the hydronic radiant heating system to operate for three weeks prior to installing moderna hardwood flooring.
- Verify that the sub floor and the plywood panel system are dry and the hardwood flooring is acclimated. Measuring with an approved moisture meter, a reading of 8% max. 10% is permissible.
- **Wood is a living substrate and no matter what, some gapping in line with seasonal and climate changes may occur. This is not a defect.**

Steps to ensure a successful installation:

- ⇒ **Contractor's/Installer's Expertise & Knowledge**
- ⇒ **Proper Subfloor Preparation**
- ⇒ **Intact Jobsite Conditions,**
- ⇒ **Accurate Room Climate/Environmental Conditions**

... are all crucial for the success of the installation over hydronic radiant heated subfloors.

Please contact us prior to installation if you and/or your contractor need additional information!

* Please observe that some species, such as Beech, Maple, Jatoba (Brazilian Cherry) expand and contract more than other species of wood. They are less suitable or – in some cases - not suitable for applications of radiant heating systems. Final decision is to be determined by installer/contractor at installation site.

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