



BERING

FLOORS & COVERINGS



ENGINEERED WOOD FLOORING

Radiant Heat Installation Guidelines



NOTE: Please check for proper color selection and style prior to Installation. Claims cannot be accepted after installation has begun.

Important Information Before You Begin

Important Instructions for Installation of wood over Radiant Heat Systems

With radiant heat, the heat source lies directly beneath the finished flooring which can cause wood flooring to dry out versus a similar floor in a home with a conventional HVAC heating system. Wood flooring can be installed over radiant heat systems if you understand these types of heating systems and how they can impact wood flooring, what precautions to take, and what type of wood flooring to use. Radiant heat is considered dry heat. A humidification system may be necessary to maintain wood flooring in its own specific required comfort zones. Consultation with your radiant heat system provider and flooring provider may be required prior to the installation of finished wood flooring.

Moisture & Humidity – PLEASE READ PRIOR TO INSTALLATION

Broom or vacuum, moisture meter, chalk line & chalk, tapping block, tape measure, safety glasses, hand or electric saw, miter saw, 3M blue tape, hardwood floor cleaner, hammer, pry bar, color wood filler, straight edge, trowel and tapping block. Failure to use a tapping block properly when installing engineered flooring can/will cause splintering. NEVER STRIKE THE EDGE OF THE FLOORING WITH A MALLETT/HAMMER OR IMPROPERLY USE THE TAPPING BLOCK.

Bering Finishes is not responsible for site conditions. Refer to NWFA Appendix H for additional details.

The National Wood Flooring Association (NWFA) along with The Hardwood Plywood and Veneer Association (HPVA) clarify that wood flooring performs best and will have normal movement when the interior site environment is controlled and stays within a relative humidity range of 30% - 50% and a temperature range between 60 degrees and 80 degrees Fahrenheit. Warranty coverage requires that these jobsite environment conditions MSUT be maintained at minimum 3 days prior to, during, and after installation and for the life of the floor. The use of humidification or dehumidification in some areas may be required.

Any failure to comply with industry requirements may result in structural damage and will void related warranties. Gaps, splits, cupping and checking of wood flooring may become visible. Flooring formats such as wood-based composites and engineered construction, while offering advantages in stability and installation options, can shrink or swell outside specified industry conditions and is not considered a defect in the materials. It is recommended that a temperature and humidity data logger be placed under the floor in each room or at least in each thermostat-controlled area to demonstrate that the required site conditions are being always maintained. If a NWFA Certified Inspector is called upon to make a determination about a warrantable condition, this is the only manner to determine that appropriate environmental site conditions have been and are being maintained.



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Important Notes:

For best performance and results the use of Bering WF2500 is recommended with its engineered wood floors. Adhesives from the following manufacturers may be used to install our products. However, this is not an endorsement of any product, and no warranty is provided by us that the adhesive will work for your intended purpose. We will also not be responsible for any damage or warranty claim that is the result of using any of these products. Your sole warranty and recourse are with the adhesive manufacturer of your choosing regarding any claim that is the result of the use of any adhesive. Some adhesives contain water which can damage your flooring.

- Wood product warranty is void if radiant heat is ever allowed to exceed 82 degrees measured on the floor.
- Hydronic based interior heating only.
- Bering Finishes requires the use of a working external thermostat. It is recommended that additional dedicated thermostats be installed in each room to ensure that temperatures are accurately controlled. Thermostats need to be properly calibrated from a qualified professional independently measuring the floor temperature and adjust as necessary.
- It is reasonable to expect some seasonal shrinkage, gapping or cupping due to normal heating system usage.
- A direct glue method install is approved when concrete has a minimum compressive strength of 3,000 psi and heating pipes are covered at least 3cm (1.18 inches) while using an adhesive approved for use with radiant heat systems. Radiant heating pipes must be installed at a depth of at least 3cm (1.18 inches) from the top of the surface.
- Pay special attention to “Hot Spots” on the floor. The usage of rugs and cushions can trap heat and may cause damage to your flooring. It is important to determine the floor temperature independent of other sources to ensure that temperature requirements are not exceeded.
- We do not recommend the use of any adhesive tape on any finished floor for any period as this can cause damage to

Prior to Installation of Wood Flooring over Radiant Heat:

- When installation of wood flooring above a Radiant Heat system occurs, turn the system on to 70 degrees for at least 7 consecutive days prior to any wood flooring being installed. Documentation of this process is required for warranty coverage.
- Never raise the temperature of the system more than 2 degrees per day when in use. Use a “set it and forget it” strategy with radiant heat even when the home is not occupied.
- Make sure to acclimate the site conditions to receive the new wood flooring in the space(s) where installation will occur until moisture content is within 2% or less of the subfloor moisture content and document this process.
- Prior to installation of wood flooring the radiant heat system should be turned off or set to the lowest possible setting for a minimum of 24 hours.



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Radiant Heat under a Plywood Sub-Floor:

It is recommended to either float or staple-nail with glue assistance on the wood floor when installed with this type of radiant heating system. If floating installation is selected, leave expansion spaces in place for a minimum of 8 hours to allow for the adhesive (D3 T&G Adhesive) to cure. Do not allow foot traffic for a minimum of 8 hours. Allow for a minimum of 24 hours before any furniture is placed onto the newly installed wood flooring. If using appropriate fasteners, carefully, after checking for clearance and thickness, blind nail at a 45-degree angle into tongue. Use of the appropriate fasteners will ensure that contact with the radiant heat system is avoided. Always verify the wood floor and subfloor thicknesses prior to installation.

Radiant Heat System – Post Wood Floor Installation:

Once installation of the new hardwood flooring is completed, turn on the radiant heat system to 70 degrees. With a professional grade device, measure the flooring surface temperature again and begin to gradually increase the heating temperature by less than or equal to 2 degrees per day for a minimum of 3 days. Continue this process as needed until you reach the desired temperature setting while never allowing the radiant heat to exceed 82 degrees.

Important Notice:

Bering wood flooring installation guidelines are offered as general guidance as it relates to its products and are not a replacement for a professional, certified installer. Bering flooring **MUST** be installed according to the most current installation guidelines provided by the National Wood Flooring Association (NWFA) to help ensure valid warranty claims. The most up-to-date NWFA guidelines and installation methods are available to all NWFA members, and can be found online at www.nwfa.org.