



## Installing Hardwood Floors over Radiant Heated Sub Floors

- ❖ **Oak, Ash, Hickory, and Walnut** species of Shaw Engineered Hardwood products,  $\geq \frac{1}{2}$ " thickness are approved for installation over radiant heated subfloors using either Adhered or Floating installation methods if applicable for the product.
  
- ❖ Nail or Staple Down installation methods are not recommended for Radiant Heated Sub Floors.
  
- ❖ Engineered product constructions thinner than  $\frac{1}{2}$ " will require review by the Shaw marketing and quality groups before installation; along with a location registration and an acknowledgement letter, verifying that the project is approved and warranted.
  
- ❖ Radiant Heating Systems used must be designed and controlled specifically for Hardwood flooring by the system manufacturer, and include an Outside Temperature Probe, and Surface Temperature Controls.
  
- ❖ The end consumer should be aware that minor gapping between wood planks during the heating season is a normal occurrence with hardwood flooring installed over radiant heated subfloors.
  
- ❖ Proper humidity controls within the home or business will help to minimize the natural wood reaction to seasonally changing climate conditions.
  
- ❖ Indoor climate should be maintained between 60-80° F and a relative humidity range of 35%-65%.



Where Great Floors Begin

**Adhere to the following guidelines for a successful installation:**

- Newly installed water type radiant heated flooring systems should be in operational mode with the temperature set between 64° -72°F, for a minimum of 4 weeks to insure that all sub floor moisture has properly dried.
- Older water type radiant floor heat systems should be fully pressure tested, properly maintained, and set to a minimum of 64°F, for at least 4 days before flooring delivery; acclimation, or installation processes may begin.
- All radiant heating systems must be set to room temp. (A minimum of 64°F), for at least 4 days before flooring delivery; acclimation, or installation processes may begin.
- Always check wood sub floors to insure that the moisture content is less than 14% using an accurate wood moisture meter.
- Concrete sub floors must register “dry”, using a reliable concrete moisture meter.
- The pH level of concrete sub floors should register between 6 and 9, on a fourteen point pH scale.
- Sub floors must fully comply with these “dry” requirements before proceeding with the delivery, acclimation, or installation of the wood flooring at the job site.
- Regulate the job site to insure that the relative humidity is between 35% and 65%, and that temperature is between 60° and 80° F, throughout the flooring delivery, acclimation, installation and any required curing processes.
- Deliver and acclimate the engineered hardwood flooring, for at least 48 hours before installation begins.
- Install the hardwood flooring according to the instructions that pertain to the product.
- After completing the installation, do not change the radiant heat setting for 48 hrs.
- Throughout the life of the installation, 3 to 5 degree daily increments must be used when adjusting system temperature for either upward or lower adjustments; so that the hardwood flooring can adjust to the temperature changes in a gradual manner.
- Never raise the flooring surface temperature setting above 85 degrees Fahrenheit.