



INSTRUCTIONS FOR INSTALLATIONS OVER RADIANT HEAT SYSTEMS Moisture and Humidity - Please read before beginning installation

Room temperature and humidity of installation area should be consistent with normal, year-round living conditions for at least a week before installation of wood flooring. Room temperature of 65 – 75 degrees Fahrenheit and a humidity range of 35% – 65% should be maintained during acclimatization, installation, and at all times afterward. Warning – humidity levels below these recommended levels will likely cause movement in the flooring, including gapping between pieces and possible cupping and checking in the face.

HF Design cannot be held responsible for site conditions. Flooring formats, such as plywood based engineered wood flooring, are particularly susceptible to showing movement such as edge/shrinking and face checking from relative humidity below the stated minimum on site and/or tip raising and subsequent end shrinking if installed over a wet subfloor.

Important Notes:

Warranty is void if radiant heat exceeds 82 degrees Fahrenheit.

Beware of “hot spots” where radiant heat enters the room, as they can be significantly hotter.

Prior to Installation of Wood Flooring:

Radiant heat must be installed and turned on- for a minimum of 3 weeks prior to installation of wood flooring.

Make sure to acclimate the new wood flooring in open packaging or out of packaging, in living areas of the home until moisture content falls within 4% points or less of the subfloor content.

Just prior to installation, radiant heat should be turned off or on the lowest setting for a minimum of 6 hours. This will prevent “hot spots” which could leave applicator marks or cause bubbles.

Glue Down Direct To Concrete

Radiant Heating pipes must be covered at least 3cm from the surface. The concrete must be:

Fully dry

Flat and level

Compact and Hard

Clean of Dust, Oil and grease

Free of cracks

Radiant Heat under Plywood Sub-Floor

It is recommended to glue and nail or staple down the floor when installed with radiant heating. Blind nail at a 45 degree angle into tongue with nails/staples approximately equal to the thickness of the engineered floor.

After Installation of Wood Flooring

Radiant Heat systems should be turned on and the temperature increased gradually over an approximate 10 to 14 day period. Regardless if the system is new or pre-existing, **NEVER** allow the radiant heat system’s temperature to change up or down more than 2 degrees Fahrenheit per day.

During the cold seasons when radiant heating is working at full power the humidity can get very low and the wood can become dried out. To prevent damage to the flooring (cracking or splitting) It is recommended that the relative humidity level remains between 30% and 65%. To ensure this, it is strongly advised to install room humidifiers or whole house systems, to ensure that the room does not become overly dry.

HF Design Installation Guidelines are intended to offer general guidance as it relates to HF Design and are NOT a replacement for a professional, certified installer. **All HF Design flooring MUST be installed according to the National Wood Flooring Association’s (NWFA) installation guidelines in order for the Warranty to be valid.** The most current publication of the NWFA guidelines are available to all NWFA members, and can be found at www.nwfa.org

IMPORTANT This installation instruction does not apply to Montage European Oak Portofino products as they cannot be installed over radiant heat systems.