



Envision Hardwood Flooring Installation guidelines for in floor, hot water, radiant heat systems.

Maintaining a consistent, normal heat and relative humidity (average living conditions) before, during and after installation will ensure minimal shrinkage, expansion and flooring product stress.

Only deliver the wood flooring to a site that has been confirmed dry. Residual moisture in the substrate exceeding a 3 lb MVER (Moisture Vapor Emission Rate) has the potential to cause swelling, buckling and shrinkage of the flooring product.

Approved moisture test method: Anhydrous Calcium Chloride test performed in accordance with ASTM F -1869.

Note that 90% of all product issues are caused by improper site conditions, excess substrate moisture levels, improper acclimation and inadequate subfloor preparation.

The following 'Acceptable Conditions' must be confirmed prior to shipping wood flooring to site.

- The home must be at lock up stage and the interior protected from outside conditions – all outside windows and doors must be installed.
- All wet trades such as tile and dry wall mudding should be finished.
- Wall paint: If water based paint is specified, apply undercoats prior to flooring delivery. Final coat and touch ups can be applied after installation.
- If a cementitious underlayment is used to level the subfloor it should not be poured while the flooring is on site. Once poured, confirm underlayment is dry before delivering wood flooring to site.

Special note: The subfloor must be flattened to NFCA standards which are:

1/8" + or – over 10' in 360 degrees.

- The heating systems thermostat dial must be installed and operating so that gradual (5 degrees per day) temperature adjustments can be made as necessary.
- The indoor ambient temperature should be consistent at approximately 18 - 20c.
- Floor temperature should not be allowed to exceed 26c or dip below 15c.
- Ambient relative humidity should be maintained between 35% and 55%
- The flooring should be delivered to and left in the installation area under these conditions for a minimum of 4 days with the plastic wrapping around the packs cut open.
- Flooring should be stacked in a log cabin fashion on the heated floor to facilitate air circulation.

Floor protection: Cover the floor with builders paper, tape the paper at the seems (not to the floor). Do not cover with thick layers of protection such as drywall or plywood as these products can insulate risking overheating the floor covering.