

PARAMOUNT FLOORING

Radiant Heat Installation & Warranty Guidelines

Effective Date: July 2026

Radiant Heat Performance Requirements

Product Type	Maximum Floor Surface Temperature	Recommended Relative Humidity
Engineered Hardwood*	80°F (27°C)	35%-55% RH
Laminate	85°F (29°C)	35%-65% RH
SPC	85°F (29°C)	30%-65% RH
WPC	85°F (29°C)	30%-65% RH
Glue-Down LVT	85°F (29°C)	30%-65% RH

* Hickory species is not approved for installation over radiant heating systems.

Purpose

These guidelines apply to Engineered Hardwood, Laminate, SPC, WPC, and Glue-Down LVT products installed over approved radiant heating systems. Product-specific installation instructions supersede this document.

Approved Radiant Heat Systems

Hydronic and electric systems permanently embedded within the subfloor or slab are permitted when properly designed, tested, and operated.

General Requirements

The radiant system must operate for at least 7 days before installation. For newly poured concrete, the slab must be cured, moisture tested, and the heating system commissioned. Reduce floor temperature to approximately 65°F at least 24 hours before installation. Temperature changes should not exceed 5°F per day. Floor sensors are strongly recommended. Radiant cooling systems must prevent condensation.

Species Restrictions

Hickory engineered hardwood products are not approved for installation over radiant heating systems. Related performance claims are excluded from warranty coverage.

Engineered Hardwood

Maximum surface temperature: 80°F. Relative humidity: 35%-55%. Seasonal movement, minor checking, shrinkage, expansion, and gapping may occur and are considered normal characteristics when within acceptable limits.

Laminate Flooring

Maximum surface temperature: 85°F. Relative humidity: 35%-65%. Maintain required expansion gaps and use approved underlayments.

SPC Flooring

Maximum surface temperature: 85°F. Relative humidity: 30%-65%. Maintain perimeter expansion spaces and avoid localized overheating from rugs or coverings.

WPC Flooring

Maximum surface temperature: 85°F. Relative humidity: 30%-65%. Follow all expansion and subfloor preparation requirements.

Glue-Down Luxury Vinyl Tile (LVT)

Maximum surface temperature: 85°F. Relative humidity: 30%-65%. Use approved adhesives, complete required moisture testing, and gradually increase temperatures following installation.

Moisture Testing Requirements

All subfloors must meet Paramount Flooring moisture requirements. Concrete slabs must be cured and pass moisture testing. Wood subfloors must be structurally sound and within acceptable moisture tolerances.

Area Rugs, Floor Coverings & Furnishings

Rugs, mats, furniture, and similar coverings may trap heat and create localized temperatures above approved limits. Damage from excessive localized heat is not covered.

Operation After Installation

Maintain stable environmental conditions year-round. Use humidification or dehumidification equipment when necessary and return heating systems to operating temperatures gradually.

Warranty Exclusions

Warranty coverage does not apply to damage caused by excessive temperatures, improper humidity levels, condensation, moisture issues, improper acclimation, insufficient expansion space, improper installation methods, or failure to follow these guidelines.

Important Notice

All flooring materials respond to changes in temperature and humidity. Proper operation of the heating system and maintenance of indoor environmental conditions are essential to long-term floor performance.