



C O R E W O O D

COREWOOD RADIANT HEAT GUIDELINES

COMPLIANCE INFO

To validate your COREWOOD warranty, please follow these steps. Once the homeowner and installer have completed and signed the Radiant Heat Compliance Form, send a copy along with the original order confirmation to:

BY MAIL:

COREWOOD
1140 Castlefield Ave
Toronto, ON

BY EMAIL:

corewood@corewood.com

BY PHONE:

(416) 479-0092

We will assign a file number to your form and keep it in our records. This ensures that we can reference your file if any issues arise. The dealer is responsible for providing this form to you. By signing this compliance form, you agree to adhere to the temperature guidelines and install the thermal sensor strips according to these instructions. Keep a record of the sensor strip locations for future reference.

SUBFLOOR PREPARATION

EXISTING CONCRETE:

If the concrete floor hasn't been used in the last 60 days, turn on the radiant heat for at least 120 hours to remove moisture. Then, turn it off for 48 hours before installing the flooring. Gradual temperature conditioning helps the concrete adjust consistently. Not conditioning the concrete subfloor will void your warranty.

NEW CONCRETE:

If the concrete is less than 60 days old, run the radiant heat for at least 45 days before installation to evaporate moisture and stabilize the concrete. Perform a Calcium Chloride or Polyfilm test to check moisture content. Turn off the heat for 48 hours before installing the flooring. Gradual temperature changes help the concrete adjust. Not conditioning the concrete subfloor will void your warranty.

MAINTAINING TEMPERATURE:

Maintain a stable indoor temperature to prevent the flooring from shrinking, expanding, cracking, cupping, or bowing. A subfloor heating system works slowly, so install an outside thermostat to moderate temperature changes gradually.



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AVOID:

- Rugs, carpets, and cupboards with limited space underneath can cause heat buildup and shrinkage.
- Large temperature fluctuations can cause surface condensation.

IMPORTANT FOR EXTREME CLIMATES:

Some minor expansion and contraction of the wood floor due to humidity changes is natural and not covered by the warranty. To minimize these changes, keep relative room humidity between 40% and 65%.

NON-PORTLAND BASED CEMENT:

Contact COREWOOD for further instructions.

IMPORTANT INFORMATION FOR RADIANT HEAT - VINYL FLOORING

COREWOOD WPC & SPC flooring is suitable for compatible in-floor radiant heat systems. Ensure the system is approved for use with SPC flooring and get written confirmation from the system manufacturer.

BEFORE INSTALLATION:

- Ensure the radiant heat system has been running for at least two weeks.
- Turn off the system 24 hours before installation.

AFTER INSTALLATION:

- Keep the surface temperature below 82°F (28°C).
- Change temperature in 5°F (2°C) increments to avoid shocking the floor.
- Use a data logger to monitor and record temperature and humidity conditions.

IMPORTANT INFORMATION FOR RADIANT HEAT - ENGINEERED WOOD FLOORING

Maintain relative humidity (RH) levels between 40-60% for Gravity Handscraped and 35-55% for other Gravity & Veneto floors.

Do not raise or lower the temperature of the radiant heat system by more than 5°F (2.8°C) per day. If the surface temperature exceeds 81°F (27°C) or the boiler output exceeds 129°F (54°C), the temperature indicating strips will turn black, voiding the warranty.

MAXIMUM TEMPERATURE:

- Maximum tube temperature of boiler: 129°F (54°C)
- Maximum subfloor temperature: 81°F (27°C)





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SENSOR STRIPS:

Install one sensor strip on the main output tube of the boiler and one strip for every 300 square feet of flooring, attached where the heat tube enters each room. Ensure these strips are accessible for warranty validation.

INSTALLATION PROCESS:

1. New Radiant Heat Systems: The sand/cement screed must be at least 42 days old. Gradually increase the temperature starting from 68°F (20°C) by 9°F (5°C) daily until reaching the desired temperature. Maintain each temperature for 24 hours per centimeter of floor thickness.
2. Existing Radiant Heat Systems: Ensure a pressure test is performed and documented by a qualified plumber before installing the flooring.
3. System Guidelines: Follow the heat system manufacturer's guidelines.

CALCIUM CHLORIDE & POLYFILM TEST

CALCIUM CHLORIDE TEST:

1. Weigh and record the initial weight of the calcium chloride dish.
2. Place the dish on the concrete for 60-72 hours under a cover.
3. Weigh and record the dish again. Calculate the moisture emission rate.

POLYFILM TEST:

1. Place 24" squares of 6mm polyfilm at several points on the subfloor, sealed with duct tape.
2. After 24 hours, check for condensation or darker concrete.
3. The reading is valid at 24 hours but can be more accurate after 72 hours.

FOLLOW THESE STEPS TO ENSURE COMPLIANCE WITH COREWOOD WARRANTY GUIDELINES.

If you have any questions, contact COREWOOD at corewood@corewood.com or (416) 479-0092.

