

Radiant Heat Compliance Form

To make your compliance on Floortek products successfully, the following procedure has to be followed:

- Fill up the compliance form before Floortek products to be shipped to customer house.
- The compliance form has to be signed by both homeowner and installer.
- Return the signed compliance form back to HYBC.
- HYBC will mail or Email a copy of Compliance Form that has been signed. Please show us that copy when you apply the warranty.

HYBC will only warranty the engineered wood which meets with warranty policy, and also the standard installation warranty applies in addition to this compliance as follows:

Subfloor Preparation:

New Concrete (Less than 60 days old):

- Radiant heat must be turned on and left on for a period of 45 days prior to installation.
- The Radiant heat must be turned off for at least 48 hours prior to installing any flooring for a conditioning period.

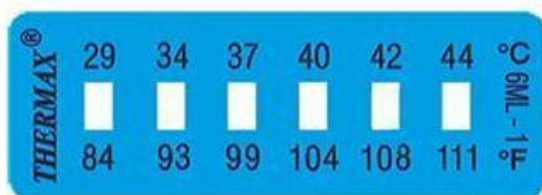
Older Concrete:

- Heating and or cooling concrete must be done slowly.
- Floortek flooring requires that the radiant heat be turned on for a minimum of 72 hours prior to installing.
- Floortek flooring also requires that the radiant heat system be turned off for at least 48 hours prior to installing any flooring. Turning the heating system off allows for the concrete to properly condition.

Note: Not conditioning the concrete, will not be applied.

Maximum Temperature:

- Maximum Concrete Temperature: 81°F (27°C) (Below hardwood flooring)



Important Note: When using any radiant heat system referred to above, you must confirm with your heating contractor that the Maximum Temperature of the surface of the subfloor (below the hardwood flooring) cannot exceed 81°F (27°C).

The humidity level in the home must be maintained above the listed levels in order to validate the warranty .

- Engineered Flooring 40%

Cranking the heat above the maximum temperate recommended by HYBC will void the warranty! A common problem that happens is that the floor will cup and/or crack when the radiant heat is “cranked up” by individuals that are cold.

In order to confirm that the floor maximum temperature is not exceeded HYBC will require “thermal sensor stickers” to be applied in strategic areas of the floor and heating system. Thermal sensor stickers are strips of tape with crystals that change to black at a specific temperature. If the heat on the substrate below the hardwood flooring exceeds 81°F (27°C), or the tube temperature out of the boiler exceeds 129°F (54°C) these crystals will turn black. Once they turn black you cannot reverse the color change.

Thermal sensors will be mandatory in order for HYBC to warranty radiant installations. If using radiant heat systems other than concrete slab, 3 sensors must be place in various locations on the floor. Floortek flooring will require 1 thermal tape to be placed on the main tube coming out from the heating unit in the home. Floortek flooring will also require a thermal sensor tape on the subfloor placed within 6” of the wall where the tube enters the room, the sensor must be placed over the heat tube

If a problem occurs and HYBC is required to inspect a potential claim, HYBC will require that these thermal sensors are removed for verification of temperature. **If these sensors are not available to HYBC in accordance with our installation guidelines, the claim will be denied!** It is extremely important that the sensors be placed in an area where it can be extracted by HYBC for temperature verification! HYBC requires that the installer draw a diagram on the placement of the sensors in the main heat floor area. This diagram must be submitted to the homeowner and Floortek Flooring for record keeping.

Compliance Form

The Radiant Heat Compliance form must be completed and signed to validate radiant heat warranty. A copy must be submitted to Floortek Flooring with the purchase order when ordering a floor. It is the responsibility of the dealer to provide this completed form when ordering material. In signing this compliance form I agree that I will not exceed the maximum temperature as per the above mentioned HYBC guidelines. I also agree that I will install the thermal sensor strips in accordance with these guidelines. I will also keep a record of the placement of these sensor strips so that if they are required I will know where their location is, and will make them available for extraction in the unlikely event of a claim.

Calcium Chloride Test

The **Calcium Chloride Test** works by measuring changes in weight of anhydrous calcium chloride crystals.

A small plastic dish of crystals is sealed with a plastic tape. The entire dish is weighed on a gram scale prior to exposure and the weight, date and time the test was started must be recorded. The lid is then opened, and the dish of crystals is carefully set down on the concrete for 60 to 72 hours. The dish is enclosed within a 7-by-10-inch cover, which is sealed to the concrete. During this time, the only source of moisture being absorbed by the crystals is what can evaporate out of the covered concrete surface area.

At the end of the test, the dome is removed and the lid is placed back on the dish and sealed. Again the dish is weighed on the gram scale and the date and time are marked. The change in weight is multiplied by a constant and divided by hours to provide an estimated rate of evaporation, in pounds (which is the equivalent weight of the water that evaporates out of a 1,000-square foot surface area during 24 hours). Water weighs 8.3 pounds per gallon. If the test reports 8.3 pounds emission, then one-gallon of water is leaving a 1,000 square foot surface area in 24 hours.

A conservative but generally recommended allowable amount of moisture emission as expressed by the calcium chloride test is 3.0 pounds per 1,000 square feet per 24 hours at the time of the installation of the flooring. A note of caution: Use care in lid dealing and removal of the dish and weighing as exposure to atmosphere will dramatically affect the results.

Polyfilm Test

The Polyfilm Test: Pieces of 24-inch squares of 6mm polyfilm are placed at several points on the subfloor, sealed to the subfloor on all four sides with silver duct tape. After 24 hours, the patches are removed and inspected for signs of condensation. If beads of water are found on the subfloor or the concrete appears darker, further testing is necessary. If there is no indication of moisture under the polyfilm, the installation may proceed. The reading is valid at 24 hours, but it's even better if the test can stay in place until 72 hours have passed.

The polyfilm test can also be "accelerated" by using a heat source (such as a 40 to 60 watt light bulb) 18 inches above the plastic.

Approved Radian Heat Species:

Walnut	YES
Hickory	NO
Maple	YES
Red Oak	YES
White Oak	YES



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Radiant Heat warranty Compliance Form

Dealer information:

Dealer Name: _____ purchase order Number: _____

Address: _____

Home Owner information:

Home Owner Name: _____

Address: _____

TEL: _____ E-mail: _____

Signatures below will confirm that all parties have read and understand the radiant heat requirements as per the HYBC warranty prior to installation.

Dealer Signature:

Home Owner Signature:

Date:

Date:

Details of Product:

Sq.Ft: _____

Species: _____

Grade: _____

Color: _____

Width: _____

Glued or Floated: _____

Installer information:

Installer Name: _____

Installer Tel: _____

Polyfilm Test Performed Y/N: _____

Results: _____

Calcium Chloride Test Performed Y/N: _____ Results: _____

Date Installed: _____

Installer Signature:

Date:

Check box for those that have drawings of the location of subfloor sensor:

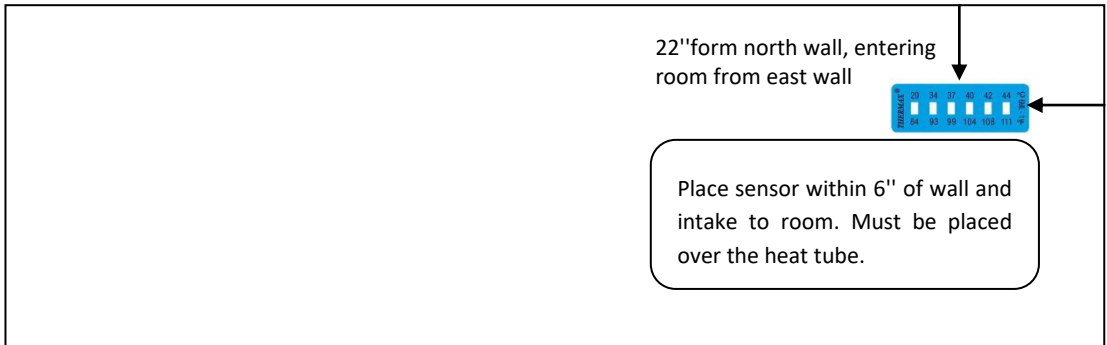
Homeowner

Dealer

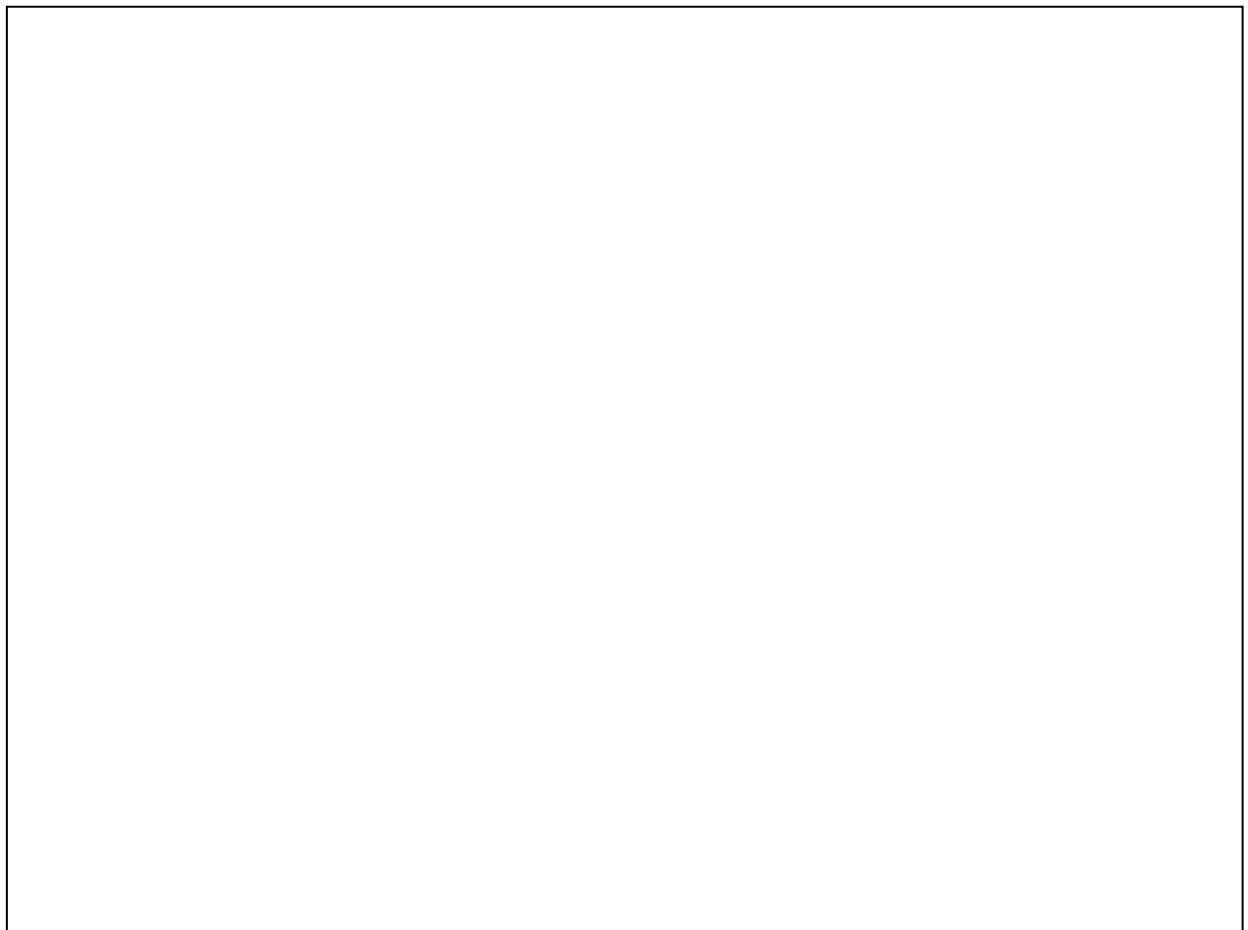
HYBC

For HYBC Use Only:	Compliance Form #:: _____
Date: _____	Approved By : _____

Sample Drawing



Drawing for Sensor Location



Dealer:

Homeowner:

Signature:

Signature:

Date:

Date