

## The Heat Is On

### Electronic Radiant Heated Floors

*by Gillian Guzelis, contributing editor*

A regular forced air heating system blows hot and cold, not that efficient when heating a room. It's time to look at a heated floor. No more paper tornadoes when the heat comes on, and no more crashing into heated baseboards. Electronic radiant heating floors are the optimal way to go for the high-end custom home.

The radiant heated floor is ideal for warming up floors without the hassle of blowing air. It's a layer of special heating surface, covered by tile, stone, laminate, or even wood. We had the chance to try an electronic radiant heated floor from Nuheat, who specializes in radiant heating systems. The 1/8" thick mat can be customized to fit whatever awkward space needs to be filled. Just give Nuheat officials a call, and have it custom-made to fit any floor. They'll make it to exact dimensions.

The heating mat has a thin layer of wires between soft pads of fabric. The mat is placed beneath the floor, and turns on and off via the thermostat. There are different types of thermostats; simple, easy to use thermostats or an intricate one that has customizable day settings. Nuheat can provide a thermostat to go along with any of their heated mats, either programmed, or non-programmed, helping to get the floor that works perfectly for any room. Nuheat floors emit 41 BTUs (British Thermal Units) per square foot.

Nuheat can create custom layouts based on design drawings, even designs that include angular corners and curved walls. Around for decades, in-floor electric radiant heating systems (ERH), were once utilized only as luxury items in opulent homes. As technology has improved and prices have come down, ERH systems have become a viable solution for room specific heat in any project. ERH systems run off standard 120V or 240V circuits,

and in many cases, if there's a baseboard heater in the room, anybody can simply swap out the baseboard for the ERH system.

Nuheat heated floors are a great selling point for homes, making it more energy efficient. Owners will enjoy it, and the Nuheat system can increase the value of the home. Nuheat floors have the ability to make a room feel new and fresh. Nuheat also offers a 25-year warranty, giving customers peace of mind.

Flooring prep is relatively simple. Prepare the floor with a layer of cement, heating pads, and another thin layer of cement before the tile or other flooring (stone, marble, laminate, or special engineered wood) goes down, to have the ultimate heating system in any home design. There won't be the need to sacrifice any ceiling height for duct systems. Without a forced air heating system, there is no noisy blower, dry skin, or allergy problems.

All in all, the Nuheat heated floor system is a worthwhile investment. The 25-year warranty, easy installation under many types of flooring, thermostat options, cost-saving capabilities, and stylish appearance, make Nuheat a must. A Nuheat electronic radiant heating system, whether installed in a bathroom, kitchen, or the entire floorplan, is perfect for any custom home.

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