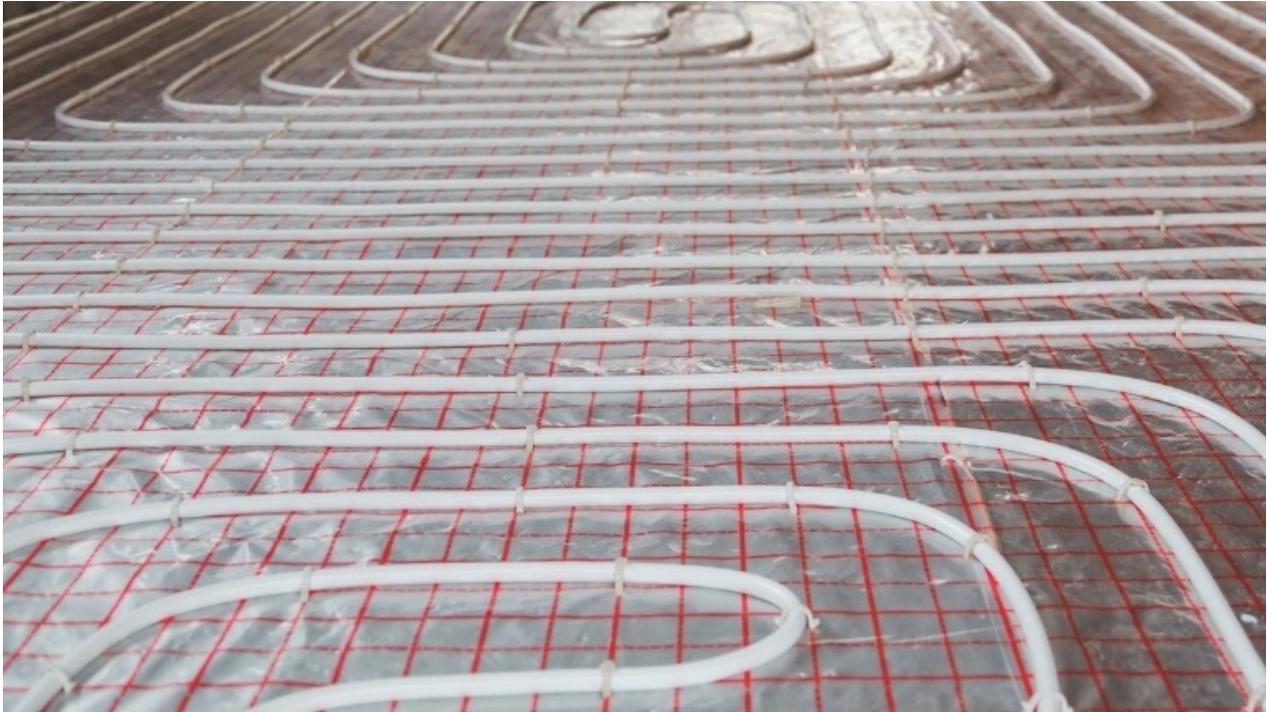


# Floor Radiant Heat Installation in New Jersey

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There's nothing quite like the cozy warmth and comfort of stepping onto a warm floor in your home on cold New Jersey mornings. A floor radiant heat system from [DK Electrical Solutions](#) will eliminate cold floors and keep your feet and your entire home warm all winter.

**New Jersey's best floor radiant heating technology is a cost-effective, state-of-the-art under-floor solution to unevenly heated living spaces.**

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The best possible comfort and convenience in home heating is a silent and invisible system that evenly distributes heat without moving air. Conventional electric and gas heating systems blow dust and other allergens from vent ducts and make mechanical and blower noises and radiators make clattering noises. None of these traditional home heating systems heat spaces ideally evenly. Floor radiant heating produces silent, evenly distributed, highly efficient heating.

## What Is Floor Radiant Heating?

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Radiant floor heating systems are designed to warm floors, or walls, or ceilings with special electrical conduits called electric resistance cables. Underfloor heating systems featuring single-wire electrical installations and electrical floor heating mats offer two under-floor heating alternatives to the intricate plumbing pipe systems of hydronic floor heating.

An electric floor radiant heating system is installed under the floor, and it radiates heat upward from the floor in one room or throughout the entire house. It enables homeowners to have heat directly emanating upward wherever you are in your home.

## What Are the Advantages of a Floor Radiant Heating System?

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There are many major benefits of using underfloor radiant heating, including:

- *Increased Home Comfort* – One of the most significant benefits of floor radiant heating is the superior comfort throughout the home. Radiant heat is where you want it, providing an even, consistent temperature, without cold spots.
- *Increased Energy Efficiency* – Furnaces, boilers, and baseboard systems all lose significant amounts of heat. A radiant heating system loses much less heat and uses considerably less energy than traditional forced-air systems. That means significant savings on energy costs with underfloor heating.
- *Healthier Interior-Environment* – Under-floor radiant heating does not move air in order to work. So, unlike with traditional heating systems, no dust or other allergens are being blown around in the interior air.
- *Invisible and Silent System* – Also unlike traditional heating systems, you don't see or hear your floor radiant heating system operating. It does not make any noise(s), and it does not have vents, ductwork, radiators, or plumbing pipes in your living space.



## How Do Electric Floor Radiant Heating Systems Work?

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The popular mat system consists of electrical resistance cables embedded in thin mats. There are also single-wire electric heat systems for underfloor installation. Either the mats or the single cable systems are installed under the flooring. Virtually any flooring material type is compatible with either of these electric under-floor radiant heating systems. Either can be run by a connected thermostat controller.

The electric heating mats make ideal retrofit heating applications in residential remodeling projects that involve replacing existing heating systems. Some underfloor heating mats are certified for safe use in bathroom showers.

## Which Flooring Types Can Be Installed over an Electrical Floor Heating System?

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Electrical floor radiant heating can be installed under virtually any type of commonly used flooring material. Underfloor electrical heating equipment functions ideally under hardwood, tile, carpet, concrete, slate, vinyl, engineered wood, laminate, stone, or any other kind of flooring material.

## Answers to Some Frequently Asked Questions about Radiant Floor Heating:

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### Can an Electrical Under-floor Heating System Be Installed without Tearing Out Flooring?

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Some electrical heating mats are designed for stapling between floor joists, so the radiant heat equipment can be installed by working *below* the flooring, without removing the flooring. Then, Insulation is installed beneath the heat mats, to help prevent heat loss downward.

### Can the Entire House Be Sufficiently Heated with Radiant Floor Heating Only?

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Modern electric floor radiant heating systems have more than enough capacity to heat your whole house. Under-floor systems are very effective at eliminating cold spots because they heat evenly across the entire floor and from floor to ceiling. (Depending on your house's heat-load requirements and heat loss issues, supplementary heating may be required, as with most types of traditional heating systems.)

### How Long Can a Radiant Heating System Be Expected to Last?

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With proper installation by certified professionals, and as long as flooring remains intact, an under-floor radiant heating system can be expected to deliver decades of excellent service.

### How Does Radiant Floor Heating Cost Compare to Conventional Heating?

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Floor radiant heating costs more upfront for equipment and installation than traditional forced-air heating systems, but it saves monthly heating costs because of its greater efficiency. There are no ducts leaking air and no wasted energy.

## **Installing an Underfloor Heating System**

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Without the necessary professional expertise and state-of-the-art tools, installation mistakes are much more likely to result in a system that does not work properly, or one that could actually be hazardous to your home and property and its occupants.

So, even if you have a track record of successful DIY home improvement projects, keep in mind that installing a floor radiant heating system is a highly complex undertaking involving various unique challenges. Ensuring proper installation requires a professional.

The installation process should be performed by Master electricians who have also obtained the years of apprenticeship and professional experience necessary to qualify them to install the system at the level of quality that homeowners should expect.

## **Why Choose DK Electrical Solutions, INC.?**

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DK's licensed certified Master-level electricians are among the industry's most knowledgeable teams of floor radiant heating systems in greater New Jersey and the surrounding New England region. Our experienced installers and top-quality equipment and materials enable us to provide our 100% satisfaction guarantee with complete confidence.

We take great care to perform meticulous installation of every under-floor radiant heating system we install. We're committed to completing *all* installation work in a timely manner. We stand by our upfront price. So, our customers can enjoy the peace of mind that comes with knowing that there will be no sticker shock or other surprises. DK offers our customers:

- A fully licensed, bonded, and insured team of Master Electricians
- Financing for larger jobs (0% interest for qualified customers)
- Availability 24/7
- 100% customer satisfaction guarantee

## **For More Information about Floor Radiant Heating**

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DK Master Electricians have been providing electrical installation and service for our customers throughout New Jersey for nearly a decade. We can accommodate any size installation or service project.

**For more information about under-floor radiant heating installation, or to schedule an appointment for your free estimate, feel free to contact DK Electrical Solutions,**

**Southampton, NJ anytime by calling (609) 796-4177. Or, fill our online appointment request form, for a quick response.**

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Get FREE On-Site Estimate!