



Radiant Ready 30E™

uponor

RADIANT HEATING
AND COOLING SYSTEMS

RADIANT READY 30E™

FREQUENTLY
ASKED QUESTIONS

Remodeler FAQs for Installing Radiant Floor Heating

Do I need to break up the concrete slab?

It is not necessary to break up your current concrete slab provided the existing slab is in good condition and can support the structural load.

What are my options for installing the system?

For installing crosslinked polyethylene (PEX) tubing in remodeling applications, Uponor offers two ideal products: Quik Trak® and Fast Trak™. Quik Trak is a “dry above” system that consists of plywood radiant panels that are only ½" thick, eliminating the need to alter baseboards, molding, stairs and doors. Fast Trak is an overpour application product that features plastic knobs to securely hold the PEX tubing. Fast Trak is available in two options: Fast Trak 0.5 and Fast Trak 1.3i. Like Quik Trak, Fast Trak 0.5 is only ½" thick, eliminating the need to alter baseboards, moldings, stairs or doors. The product is made for 5/16" PEX tubing and features an adhesive backing for easy installation to a slab or subfloor. Fast Trak 1.3i is slightly more than 1¼" thick and uses 3/8" or ½" PEX tubing. Fast Trak 1.3i includes

insulation already in the panel, eliminating the added time and cost of installing insulation under the tubing. For the mechanical room, Uponor offers a compact, prewired, preassembled unit called the Radiant Ready 30E™.

What is the Radiant Ready 30E™?

Radiant Ready 30E is a complete radiant mechanical room designed in a preassembled, easy-to-install panel. The unit includes a boiler, manifold, pump, expansion tank, pressure-relief valve, isolation valves, thermostat and air vent. Simply hang the panel on the wall, connect the tubing, thermostat and electrical power and you're done!

What is the heat source?

The heat source for the Radiant Ready 30E is a 240V electric boiler that utilizes two 4.5 kW heating elements for two-stage, modulated firing.

How efficient is the Radiant Ready 30E?

The heat source is an electric boiler which runs at 100% efficiency. However, due to thermal losses through the jacket of the boiler, the actual efficiency is about 99.5%

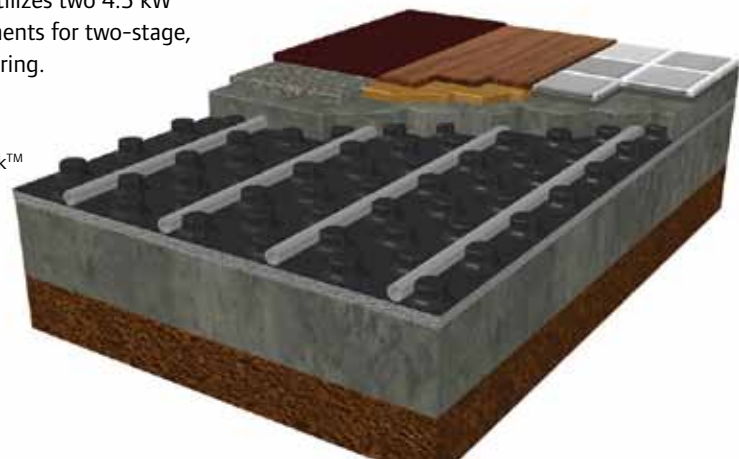
How many BTUs does the Radiant Ready 30E generate?

The Radiant Ready 30E is designed to generate up to 30,000 BTU/h.

How many square feet does it cover?

The Radiant Ready 30E is designed to control up to 2,000 square feet (15 BTU/h/sq.ft.) of radiant floor heating and up to 4,000 square feet of floor warming throughout a home.

Fast Trak™





What are the dimensions and weight?

The Radiant Ready 30E is 27³/₄" wide x 29⁷/₈" long x 13" deep and weighs 119 pounds.

Is the Radiant Ready 30E expandable?

Yes, it is very easy to add more loops to the existing manifold or even a secondary sub-manifold for even more loop connections. Custom zoning options are also available.

Does it need a separate circuit breaker?

You will most likely need to add an additional 50A circuit breaker to your panel to support the Radiant Ready 30E.

Does it have outdoor reset?

Yes, the electric boiler controller features outdoor reset capabilities. An outdoor sensor is included with the unit.

Can it do two temperatures?

Yes, two-temperature zoning is possible in a number of ways. For details, contact Uponor Technical Services at technical.services@uponor.com or 888.594.7726.

Can it do domestic hot water?

Not out of the box. However, simple additions can make the Radiant Ready 30E capable of producing domestic hot water. For details, contact Uponor Technical Services at technical.services@uponor.com or 888.594.7726.

Will it meter flow rates and temperature?

Yes, the Uponor Engineered Plastic (EP) Heating Manifold in the Radiant Ready 30E features loop flow meters and supply and return temperature gauges.

Is it compatible with solar, gas and geothermal?

Yes, if configured correctly. Refer to the Uponor Radiant Ready 30E Installation Guide or contact Uponor Technical Services at technical.services@uponor.com or 888.594.7726 for more information.

Is it a good source for supplemental heat?

Yes, the Radiant Ready 30E is ideal for a quick heat-source add-on for situations where the heating load was originally undersized or the structure has been altered and the load has increased.

Uponor, Inc.
5925 148th Street West
Apple Valley, MN 55124 USA
Tel: 800.321.4739
Fax: 952.891.2008
Web: www.uponor-usa.com

Uponor Ltd.
2000 Argentia Rd., Plaza 1, Ste. 200
Mississauga, ON L5N 1W1 CANADA
Tel: 888.994.7726
Fax: 800.638.9517
Web: www.uponor.ca

uponor