

#### ENERGY EFFICIENT

Ducoterra's patent-pending design delivers unprecedented efficiency while you enjoy lower heating bills. And *SolaRay* panels qualify for LEED certification.

#### SLIM-LINE PROFILE

Ducoterra's half-inch panels are visually attractive and blend seamlessly into any room design.

#### HEALTHY AND CLEAN

No odors, no flue, no flame, no forced air dust and allergens.

#### RELIABLE

Ducoterra panels come with an industry-leading 20-year warranty.

#### CLEAN, GREEN HEAT

Environmentally friendly, the US DOE recommends infrared radiant ceiling panels as an energy efficient alternative to other heating systems.

#### GREAT FOR RETROFITS

The simple ceiling installation means these are ideal for heating system upgrades.

#### MADE IN AMERICA

Certified *Made in Washington*, our panels are 100% USA products and materials.



## Clean, Comfortable Heating For Your Life



**D**ucoterra's *SolaRay* infrared radiant ceiling panels offer a low-cost, high-comfort, energy-efficient heating system for your home. This simple, proven technology directly heats people and objects in a room. Just like sunshine, Ducoterra's *SolaRay* panels heat you directly without wasting energy heating the air itself. Other systems, like baseboard heaters, wall heaters, and forced-air heaters, only heat the air which then rises to the ceiling and must be replaced by more heated air to maintain comfortable heat. By directly heating people and objects in a room, without heating the air, you are more comfortable, you reduce your energy use, and you lower your heating bill.

- **LOWER HEATING BILLS:** Enjoy lower heating bills and make your home more energy efficient
- **COMFORTABLE:** Radiant heat is comfortable with sun-like warmth
- **ECO FRIENDLY:** Saving heating energy is one of the best green impacts you can personally make
- **ADVANCED TECHNOLOGY:** *SolaRay* panels employ the latest radiant heating technology coupled with high performance materials
- **ZONE CONTROLLED:** *SolaRay* panels can provide zone-controlled, on-demand radiant heat
- **NOISE-FREE HEATING:** Enjoy heating your home in peace and quiet
- **RELIABLE:** Maintenance-free system with a 20-year warranty
- **SAFE AND CLEAN:** No odors, no flue, no flame, no forced air dust or allergens
- **INEXPENSIVE:** No other heating system is as inexpensive to purchase and install, typically costing only 1/3 that of an in-floor radiant system
- **BLENDSS SEAMLESSLY INTO ANY ROOM:** *SolaRay*'s 1/2 inch thick panels are visually attractive, can be painted to match your ceiling color, and take up no floor space like other heaters

Ducoterra's *SolaRay* infrared radiant ceiling panels offer the best combination of installation costs and monthly operating costs along with zero maintenance and an expected 40 year system lifetime. By eliminating ducts, filters, and dry forced air, these radiant ceiling panels offer the best possible indoor air quality. Operating silently when and where you need them, our LEED qualified product fits easily into any new construction or retrofit project.

Ideal for: entire homes or supplemental heating, replacement of baseboard or wall heaters, in garages, basements, bathrooms, shops, kitchens, and cabins, or any place where ducting is not feasible.



## The Leader in Efficiency and Cost

Features/Benefits	<i>SolaRay</i> Panels	Electric Baseboard	Gas Furnace	Electric Heat Pump	Geother- mal	Ductless Heat Pump
Installation Cost	\$	\$	\$\$\$	\$\$\$\$	\$\$\$\$\$	\$\$
Monthly Operating Cost	\$\$	\$\$\$\$\$	\$\$\$	\$\$	\$\$	\$\$
System Lifetime	40	15	16	16	16	16
Maintenance-Free	✓	✗	✗	✗	✗	✗
Zoned Heating	✓	✓	✗	✗	✗	✗
No Dust or Allergens	✓	✗	✗	✗	✗	✗

Just like the sun heats you when you are outdoors, Ducoterra's *SolaRay* panels emit long-wave far-infrared energy which directly heats people and objects in a room. Rather than heating the air, as do traditional heating systems, like baseboard heaters, wall heaters, and forced-air heaters, *SolaRay* panels radiate sun-like warmth, heating people and other objects in a room directly using less energy, and with lower energy bills.

*SolaRay* panels also heat you quickly without having to wait for a forced air system or electric baseboard system to heat an entire room. Once turned on, you quickly feel warm in minutes, which means they can, if desired, be turned off and on much like light bulbs, enabling you to only heat the spaces you want, when you want to.

In fact, the US DOE recommends radiant ceiling panels as an energy efficient alternative to other heating systems and an NAHB/DOE<sup>1</sup> study found **radiant heat ceiling panels resulted in cost savings of up to 52% over baseboard heaters and 33% over air-to-air heat pump systems**. Ducoterra's *SolaRay* panels offer the same benefits as in-floor radiant heating, but without the cost or complexity, typically costing only 1/3 as much as a radiant floor system and 25% less than a forced air system.

Ducoterra's *SolaRay* panels are the industry's thinnest panels, are visually attractive, and blend seamlessly into any ceiling. The panels have a high-quality powder-coated white finish which, if desired, can be painted to match any ceiling color. And they take up no usable space in a room, as do wall mounted heaters and vents of forced air systems.

<sup>1</sup> DOE/NAHB Project No. 4159; May 31, 1994