

## ***RaVe Roof System™ FAQ's for Homeowners:***

### ***1. Why do I need a RaVe Roof System™ for my home?***

To save energy, save money and keep your home cooler in the summer and warmer in winter. The RaVe Roof System™ is a custom designed and installed high performance roof that rejects heat and keeps your Attic cooler – about the same as the ambient air temperature. If you have ducts in your attic, use your attic for living space or storage – a RaVe Roof System™ will dramatically lower attic temperatures without AC or any moving parts, motors, solar panels or other devices. A RaVe Roof System™ will also allow you to apply insulation directly to the underside of your roof deck and still allow air to flow under the surface where shingles are applied, thereby keeping all roofing warranties in place.

### ***2. Will the RaVe Roof System™ make my house look different?***

No – your roof will look like any other roof with the exception of the ventilation features, which many roofs already include. The RaVe Roof System™ is practically invisible since it consists of an added layer between the roofing and roof deck and the “ceiling” of your attic. That small layer of moving air (ventilation) lined with shiny foil (radiant barrier) works for the life of your roof but is not visible.

### ***3. How long will the RaVe Roof System™ last?***

The RaVe Roof System™ will last as long as your roof (depending on type, 30 – 40 years or more). The portion of the system that is below the roof deck will last as long as that sheathing is in place, which is an indefinite period of time or as long as the house remains. This means that the value of the RaVe Roof System™ keeps on working even if you reroof.

### ***4. How much does the RaVe Roof System™ cost?***

The cost will vary depending on the geometry and complexity of your roof, but will range from about \$2-\$3 per square foot. Since the system dramatically lowers attic temperatures – it will result in reduced costs for cooling and pay back your investment in a matter of a few years. Cost savings results will also vary by location and climate.

### ***5. What kind or color of roof will I have with the RaVe Roof System™ ?***

Any kind or color you want! The RaVe Roof System™ is a practically invisible layer below the roof that shields the attic and keeps it cool by allowing excess heat to ventilate without any fans or power. You can have any type or color of roof, although some colors (light colors) and types (so-called “CoolRoofs”) will perform even better when installed as a RaVe Roof System™. If you want a dark color for a roof, then you most DEFINITELY want a RaVe Roof System™ to keep your attic and home cool!

**6. *Will the RaVe Roof System™ affect the fire resistance of my roof?***

No – the roof itself and its fire rating are not affected by either the foil or the air flow layer below. Depending on your home's existing attic ventilation system, your new RaVe Roof System™ may make your home MORE fire resistant (when the attic is otherwise sealed).

**7. *Will the RaVe Roof System™ attract lightning or cause a fire with lightning?***

The jury remains out on this one. Studies paid for by the Insurance Industry and also by the Radiant Barrier Industry in response, indicate that results are inconclusive. Our basic research says that since lightning is such a powerful force – about 30,000 amps of power and with temperatures reaching 50,000 degrees F, - that it will fry anything in its path, radiant barrier or not. If you live in an area that has frequent lightning, then you may want to install lightning arrestors and rods for grounding.