## Cool Your Home
### While Saving Money on Utilities

Today you can make your home cooler by using low-cost space age products that can block heat from the sun or use the sun's energy to cool your house.

Our products are easy to install or we can have it done for you.

Our products will provide a return on your investment from the first day.

Call us today for an appointment or product pricing.

Enjoy every moment of your life!

**Distributor for**

- **K-Shield Radiant Barrier**
- **Cyclone & Super Cyclone Solar Fans**
- **Ridge Master Ridge Vents**

FREE ESTIMATES


P.O. Box 6486, Kaneohe, HI 96744
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Email: info@pacsotec.com

Pacfic Solar Technologies

***Lucky you live in Hawaii?***

**Then Why is My House So HOT!**

**It's true—many homes in Hawaii are like ovens.**

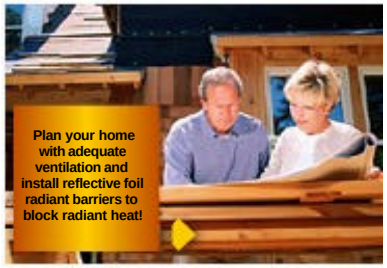
**Learn why and what you can do about it—>**

**Tel: 808-781-1993**

# Why is my house hot?

Why is cooler outside under a shade tree than inside of our homes during the day? AND why is it cooler anywhere outside than inside of our homes in the early evening or later?

The answer is quite simply and one that every architect, designer and home builder should know! RADIANT HEAT!




Radiant heat from the sun is conducted by your roof and walls and then re-radiated into the interior of your house where it increases the interior air temperature to 95º F or more on a warm day. Even the cooler outside air is heated up as it moves across the ceiling and walls. Then that heat is absorbed like a sponge into your furniture, carpet, and nearly every other material in your home to keep you nice and cozy until late night!

Is there a way to prevent the radiant heat from getting inside to begin with? You bet! It's called K-Shield—a Reflective Foil Radiant Barrier.

How does it work? ———>

## Emmissivity and Reflectivity?

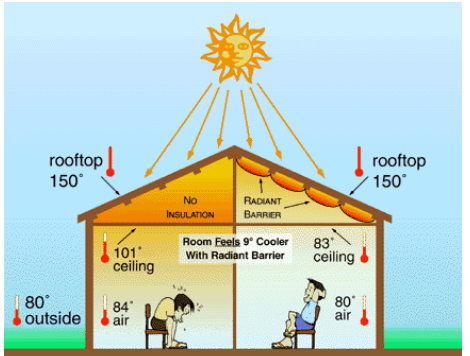
All materials conduct heat. Emissivity and reflectivity are measurements of heat conduction and reflection. Aluminum has a vary low emissivity value (about 3-5%) which mean it absorbs only 3-5% of the radiant heat directed towards it. K-Shield is made of 99% pure aluminum and as a reflective foil radiant barrier, it can block up to 97% of the radiant heat from the sun. Popularized by use in the space programs, radiant barriers were used in the spacesuits and in the Apollo Spacecraft for temperature control. In fact it was calculated that it would take up to 7 feet of standard insulation to provide the same protection that a thin layer of reflective foil (a radiant barrier) could provide.

## How is it installed?

K-Shield comes in 4' wide x 250' long rolls (1000 sq.ft.) and in new housing can be stapled to the roof rafters before the roof decking is installed or it can be stapled directly to the bottom side of the roof decking. It can also be stapled to the exterior wall studs before the wall coverings are installed. K-Shield reflective foil radiant barrier has proven to be far superior to stopping radiant heat than even fiberglass insulation (which only slows down the heat). In homes that are already built with an adequate attic, K-Shield can be stapled to the underside of the roof rafters or in some cases stapled to the ceiling joists.

## What is the result?

The interior temperature of your home will be substantially cooler after you block the radiant heat from coming in! The concept is




simple: each unit of radiant heat energy that is reflected away from your building in the summer means a cooler interior. If you use air conditioning, your system will recycle it's refrigerant less often resulting in less operation and less wear and tear on your equipment, AND less money to pay in utility costs.

**Finally, is there other products that can help cool your home?** For homes with very low attics, open beam or cathedral ceilings, the radiant heat can be vented out using any one or a combination of the following products: A Solar Powered fan, ridge or gable vents—all available from Pacific Solar Technologies. 808-781-1993.