



# ECO Energy Efficiency Package



# ECO ENERGY EFFICIENCY PACKAGE (EEEP)

## RADIANT BARRIER FOIL INSULATION



Each year, unnecessary heating and cooling costs as a result of faulty and improper insulation are costing thousands of Austin property owners thousands of dollars.

In case you didn't know, improper roofing ventilation and insulation cause drastic temperature rise by up to 25%.

Because of the increase of surrounding temperature inside your home, your air conditioning system is forced to work harder, consuming twice as much energy, to compensate for the excess heat.

As you know, southern states have a harsh, subtropical climate, which could take a toll on your home, exposing it to significant amount of heat, causing the home's exterior to heat up.

Sadly, ordinary insulation isn't enough to completely stop the heat from moving into your home's living space. With just a regular insulation, the heat could cause discomfort during hot summer months.

Thankfully, radiant heat barriers are available to remedy this problem. Radiant barriers work by resisting heat transfer by reflecting it, unlike ordinary insulation systems which only slow down the movement of heat. Without the excess heat, the temperature inside your home is greatly reduced. Your air conditioning system wouldn't work as much and you enjoy the following benefits:

- A whopping 40% decrease in your heating and cooling system consumption
- Lesser load for your air conditioning unit
- A more regulated and comfortable ambient temperature in your home's interior
- Effectively deflect 95-97% of the radiant heat, reduce attic temperatures by up to 30 degrees
- Reduce and prevent spread of heat to the home's living spaces by up to 50%
- Substantially reduce monthly electricity costs by up to 40%

One of the most widely used forms of radiant heat barriers in the country is radiant barrier foil. Radiant barrier foil is very affordable and generally can be installed in about one day. That's why it's a favorite among homeowners and contractors alike!

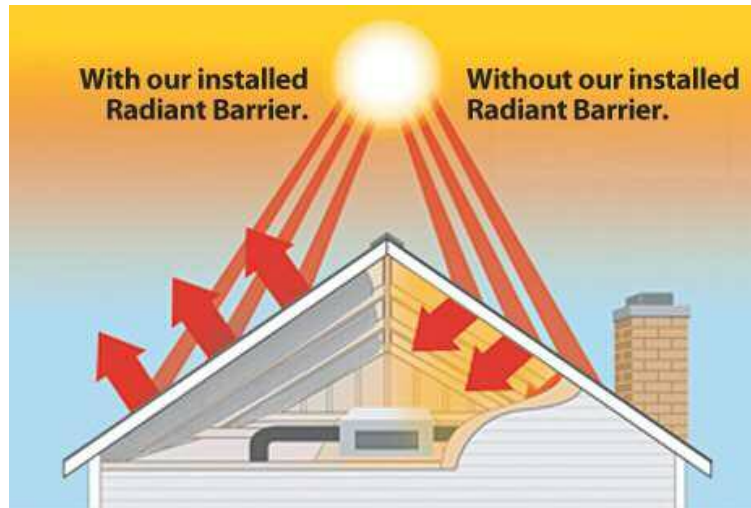
Radiant barrier foil can be installed in a multitude of ways, making it ideal for quick home remodeling projects or roof repairs. This material will NOT interfere with any existing insulation and roofing components. Once it's installed, you'll barely notice it's there.

### How Radiant Barrier Foil Insulation Works

Radiant foil heat barriers are made from aluminum. Because of this, they work by bouncing off the heat that comes in contact with them. Interestingly, Aluminum only absorbs 5% of the heat that comes in contact with it, with 95% of the heat being deflected.

Aluminum also has lesser density. As such, it conducts less amount of heat, making the heat dissipate harmlessly before it gets to other parts of your home's attic.

This principle is also true during the colder months. But this time, the heat that is produced by your home's heating system is deflected back into the home's interior. The heat is therefore trapped, allowing your home's interior to stay warm. Incredibly, the indoor temperature remains evenly distributed, allowing you to consume less electricity.



The following are several of the benefits that you will get with radiant barriers:

- **Convenient installation** – Little to NO hassle, as radiant barriers are placed over or stapled on to the roofing joists. Setting up the barriers normally only lasts within a day when done by a professional.
- **Durability and Reliability** – Radiant heat barriers do not rot, decay or corrode, like its ordinary insulation counterpart. Materials made out of aluminum are also not vulnerable to damages caused by pests. In fact, multiple tests have shown that aluminum can last up to 10 years even with frequent exposure to extreme and harsh weather conditions.
- **Convenience** – When setting up a radiant heat barrier, there's no need remove any existing insulation. It can complement most types of insulation system.
- **Comfort** – Take advantage of extreme comfort throughout the year. Almost instantly, you will feel the change in temperature as your home's interior remains cooler during the summer months, and warm and cozy during the cold seasons. You will also avoid the sudden increase of humid temperatures as a result of inconsistent interior temperature.
- **Savings** – Save up to 40% on your heating and cooling consumption. The hundreds of dollars you save annually will pay for the investment you've made with radiant barriers quickly.

## Attic Insulation Increase 12" or +R-30

Whether you live in a warm-weather state, or in a cooler northern climate, it's hard to stay comfortable and keep your energy bills in check if you don't have adequate insulation in the attic. But many homeowners we talk with don't know how much is enough.

The answer depends on where you live. Typically, houses in warm-weather states should have an R-38 insulation in the attic, whereas houses in cold climates should have R-49. These insulation levels will keep heated air from migrating out in winter. In a cooling climate, a good blanket of attic insulation helps keep the house cooler and reduces the load on air-conditioning equipment.



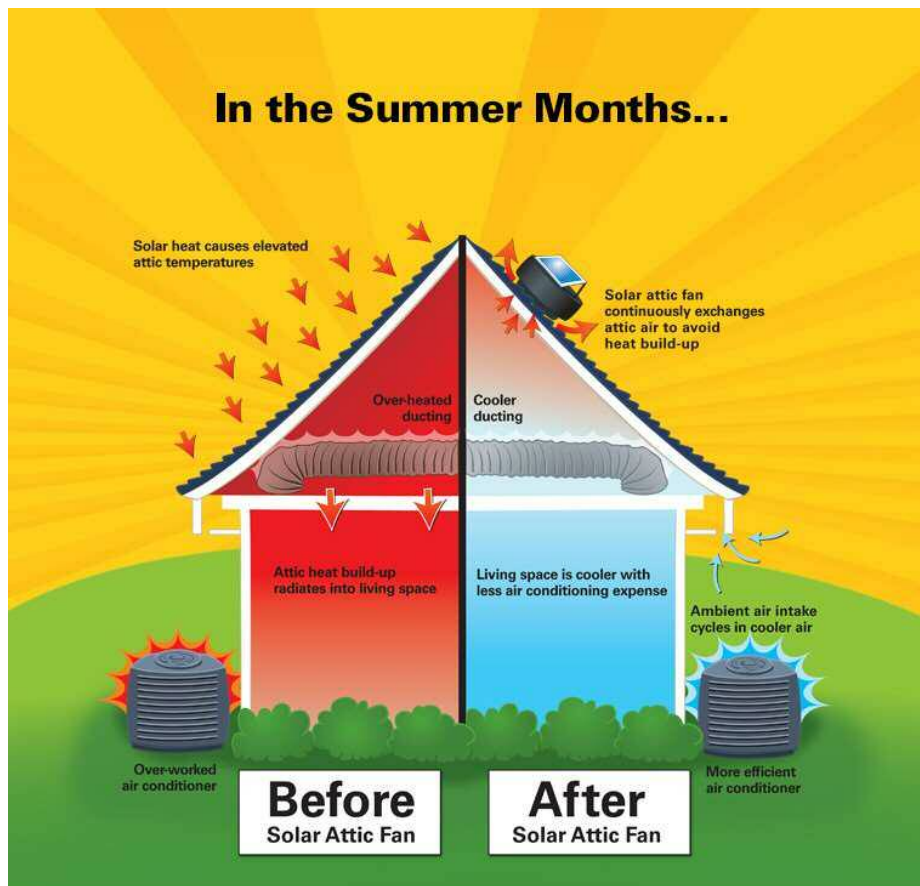
# SOLAR ATTIC FAN

Our third generation of solar attic fans are engineered not only to perform in extreme weather with the highest grade ABS, aluminum components and all stainless steel fasteners, but also offer patent-pending innovation not previously available in the market. These solar ventilation products are designed for use in virtually any residential, commercial, agricultural and utility application. Our premium solar ventilation product is technologically, functionally and aesthetically superior to the competition. Solar Royal ventilation products are rugged, durable, practical, wind-storm certified and an incredible value.

Simply put, we offer the best solar ventilation solution on the market. We understand that everyone thinks they have the best product but contact us and we will show you.

## PROPER VENTILATION IS CRUCIAL!

The purpose of proper solar powered ventilation is to reduce temperatures inside enclosed spaces throughout the year, like your attic, crawl spaces, warehouses, storage areas, sheds, barns, etc. In the summer, our solar powered attic fans help make all these areas more comfortable by converting passive ventilation to active. Thus reduces HVAC costs and cooling cycles, which also saves energy and money. The solar attic fans help reduce heat that can cause the premature deterioration of shingles, roof boards, sheathing, siding, insulation and stored valuables.







### Benefits of Ventilation:

- Converts passive ventilation to active.
- Extends the life of your roof and AC.
- Reduces moisture which reduces mold & mildew.
- Increases air exchanges (per hour).
- Reduces HVAC costs & cooling cycles.
- Windstorm Certified & Tested (ASTM-E330)
- Lifetime warranty available.
- No cost to operate.
- Qualifies 30% Federal Credit program (unit & installation)
- Extreme Weather Ready w/: (Aluminum components w/ stainless steel fasteners)



## ATTIC STAIRCASE THERMAL RADIANT COVER



The attic staircase access door is typically, one of the largest sources of air leakage in your home, The US Department of Energy states, that a gap as small as 1/4 inch around your pull-down attic stairs can leak as much air as is supplied by a regular bedroom air duct (?100CFM). Air sealing and insulating this leak is essential to improving your home's energy efficiency. The PowerJolt Energy Efficiency Series (Hatchway Covers) is an easy solution to sealing this problem area while maintaining easy access to your attic. The PowerJolt attic stair cover when properly installed will seal

and help insulate this vulnerable point in your home's defense against tremendous energy loss. It is very cost effective, simple to install and will dramatically reduce energy loss – lowering your heating and cooling bills as well as keeping the two environmental conditions separated.



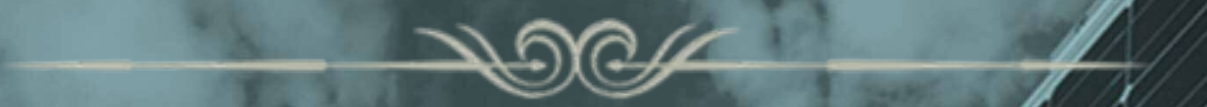
The PowerJolt Energy Efficiency Series (Hatchway Covers) is made with patented and highly reflective ARMA FOIL™ radiant barrier bonded to a polyester fiber insulation – so it is light, thin and effective. The PowerJolt hatchway covers uses heavy-duty zippers to allow easy access to the attic. The cover helps to keep your valuable heated and cooled air in your living space where you want it. As an added benefit, the PowerJolt hatchway covers also helps keep your house clean and improves your indoor air quality by keeping dust, and insulation, in the attic where they belong – not on your floors or in your air.

### FAST FACTS:

- +10 R-Value w/ Up-to R60 Coverlet optional.
- Reflects 95%-97% of Radiant Heat.
- Insulated 2.0oz Polyester Fiber (ASTM D3574)
- Built with ARMA Foil Radiant Barrier.
- Insulates & Air Seals Attic Staircase.
- Easy To Install & Extremely Strong Product Materials.
- (All Components) 100% Made in America.







Residents who have already installed solar PV systems cite many different reasons for going solar, including:

Electricity cost savings and price stability;

Increase home resale value;

Concern about pollution, the environment, and climate change;

Desire for energy independence and increased control over energy choices;

Solar PV is hip, cool and green;

Taking advantage of the Federal Solar Tax Credit & Local Utility Rebate.



# CUSTOMER REFERRAL PROGRAM

It appears the outbreak of solar in the Steiner Ranch subdivision, now reaching the status of a pandemic, began with Nathaniel ('Than'), a research biologist studying the effects of climate change on stream ecosystems for the US Geological Survey. Than understood the environmental and economic benefits of solar energy and put solar panels on his roof, after a brief struggle with the homeowner association.

With the support of Eco-Estates with the solar presentation at one of the HOA meeting, the HOA eventually signed the approval the installation. Soon afterwards, neighbors up and down the subdivision began to consider solar. Than and his wife Tetyana, a Sierra Club executive, and Eco-Estates encouraged this interest at social gatherings and events around town. Soon afterwards, neighbors up and down the alley put up solar panels to harvest the plentiful sunlight.

Our approach to your valued friend is a soft, education-based process where we deliver the knowledge needed for a solar technology and second trust that Eco-Estates is looking out for their best interests.

*Thank You*

FOR YOUR REFERRAL

**\$300 / CLOSED  
REFERRAL**

Eco-Estates wants to incentivize solar to spread through your warm network of friends, neighbors, and family by offering a discount or gift to both you, the referrer and your referral. When the solar project goes forward, we will apply the referral discount to the invoice of our new customer and send you your bonus, along with a heartfelt thanks.