



Every homeowner needs to know about

# ENERGY EFFICIENT FACTS

## The Advantage of Energy Savings from Metal Roofing



### WHAT IS EMISSIVITY?

The emittance of a material refers to its ability to release absorbed heat. Scientists use a number between 0 and 1, or 0% and 100%, to express emittance. With the exception of a metallic surface, most roofing materials can have emittance values above 0.85 (85%). One example is a metal wrench left in the sun, which is hot to the touch because it has a low emissivity value.

### LINK BETWEEN ENERGY SAVINGS AND EMISSIVITY

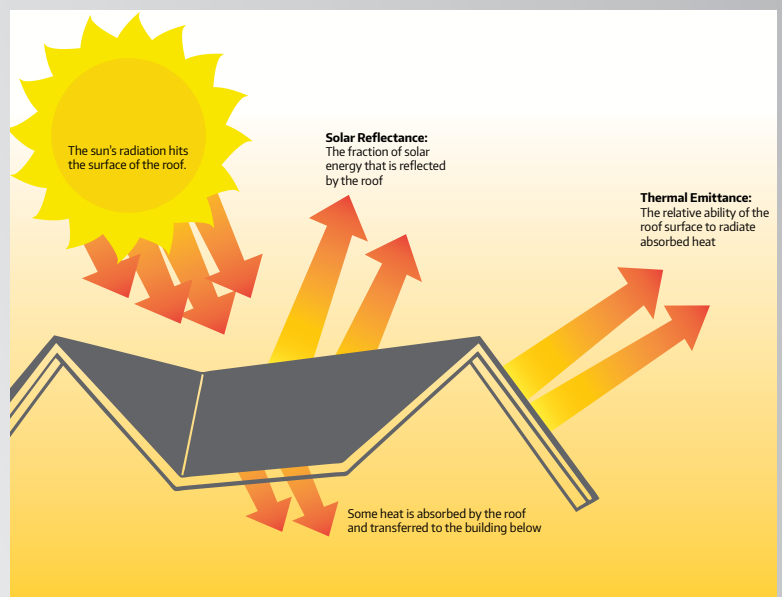
Solar reflectance is the most important characteristic of a roof product in terms of yielding the highest energy savings during warmer months. The higher the solar reflective value the more efficient the product is in reflecting sunlight and heat away from the building and reducing roof temperature.

Energy efficient products can help reduce the amount of air conditioning needed in buildings, and can reduce peak cooling demand by 10–15 percent.

### WHY ENERGY EFFICIENT PRODUCTS?

Metal is one of the most energy efficient roofing materials available and can save your home up to 40% in air conditioning cost.

Source: Metal Roofing Alliance



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**LIVE OAK**  
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