



# What Are Cool Roofs And How Do I Install Them?

Source: [Articlesnatch](#)

By: [T. Brooks](#)

---

Cool roofs are energy efficient roofs created for consumers to make energy-efficient choices.

Benefits of a [Cool Roof](#)

[Reduces electrical power demand](#) that, when widely used, could relieve the power grid from overburden particularly in the afternoons where the temperature is at its hottest and air conditioning the house is required.

If you're confident that there's indeed global warming, cool roofs certainly are a great alternative, Greenpeace must adore this one.

Using a cool roof decreases indoor discomfort and in areas where houses are near to each other, it reduces urban heat island effect. This, by the way, also reduces air pollution as the intensity of heat island effects is reduced.

[Cool roofs boost the durability of your roof.](#) Roof destruction is minimized and so are roof maintenance expenses.

Studies showed that using cool roofs decreases energy need by 10 percent during warm days. Electric power bills are also reduced from 15%.

Types of Cool Roof

You will find three types of cool roof.

1. Light colors are naturally reflective. White vinyl rooftops would be the best cool roofing material with the highest reflectance. A white vinyl roof can give off more than 70 percent of sun's radiation when compared with asphalt based roofing that could only give off 26% at best. Many asphalt roofing gives off as little as 6% of the sun's radiation. This ability of the white vinyl roofing avoids heat from radiating into the house. That amount of warmth when deflected means significant savings in energy expenses.

2. For current roofs that don't need replacement but must be heat reflective, you will find

# Energy Seal Coatings

Acrylic Coatings for Roof and Wall Applications



reflective roof products coated to the roof giving the [roof radiation reflective](#) characteristics.

Anything that's lightly colored deflects heat, the lighter the color, the better the quality to not absorb the warmth. This is also the principle why people in tropical countries put on white if not lightly colored clothes. If you wish to eventually have a cool roof but happens to be not able to do so, paint your roof white. Numerous excellent house styles make use of this color. A white roof is a great alternative to a cool roof until the day that you can set up one.

3. Eco-friendly Roofs are usually rooftops that are grassy or are planted with cactus, shrubs, and sedums. Green roofs have been in wide use before modern architectural concepts took place. Germany spearheaded the green roof revival in the 60's and green roofs have been gaining a steady recognition among modern homeowners everywhere.

Other benefit of a cool roof is that its UV inhibitors. UV inhibitors in a cool roof also safeguard the other components used in roofing the house. [Cool roofs are renewable](#) as well. It might be cleaned using pressure and recoated when in need of maintenance and repairs.