

# Solar Energy, the Good and the Bad

*Help reduce solar induced heat gain with Thermilate®*

Solar energy is radiant heat from the sun. Solar energy has many benefits and negatives and **Thermilate®** paint products will help increase the bonuses while keeping out the bad elements.

**Thermilate®** products help drive down air-conditioning cooling bills during the summer by blocking out the solar induced heat gain into your home. **Thermilate®** acts as an extra layer of insulation that provides a protective radiant barrier against the harmful properties of the sun in ordinary house paints or industrial paints that you can buy at your neighborhood store. That means a cooler environment inside your home or office during the summer months because the solar induced heat gain is greatly reduced and cool temperatures are kept inside the walls of your building.

Many people are harnessing solar energy and converting it into solar power electricity for their homes, boats, farms, and businesses.

However many people, especially those who live in southern or tropical climates, benefit from solar power while they suffer from the radiant heat that is generated from the same solar energy that they use for converting to electricity.

Increased air-conditioning usage, increased refrigeration and freezer compressor running times are all negative effects of solar energy being converted to radiant heat.

**Thermilate®** products help to reduce solar induced radiant heat gain through the roofs and walls of buildings during summer months. Applying **Thermilate®** to walls, ceilings, or roofs will reduce the running times of air-conditioning units, refrigerators and freezers because the heat entering a building is dramatically reduced.

While **Thermilate®** products are a valuable tool in helping to block the summer heat, they also help to reduce heat loss from buildings during winter months. **Thermilate®** used with interior paint on inside walls helps keep heat in your building by acting as a radiant barrier. It keeps the heat trapped inside during the coldest months of the year, preventing it from escaping to the colder air outside. **Thermilate®** will help keep your office or home the most comfortable it can be, winter or summer, year after year.