



## City of Huntington Beach Department of Building & Safety

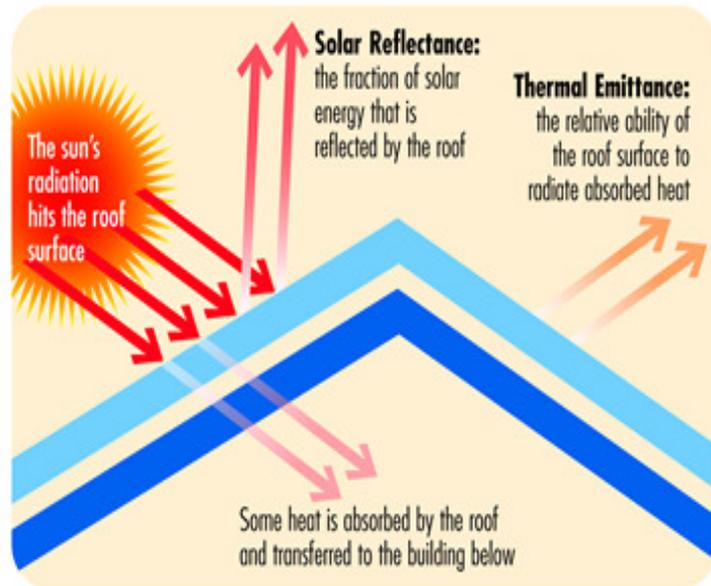
### ENERGY TIPS – COOL ROOFS

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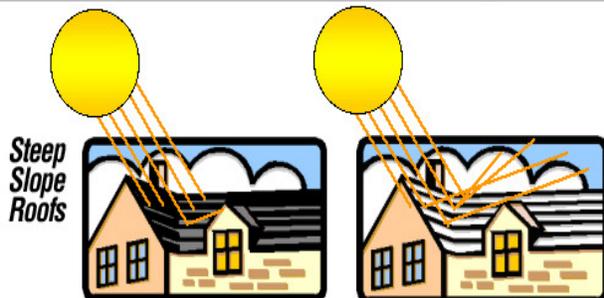
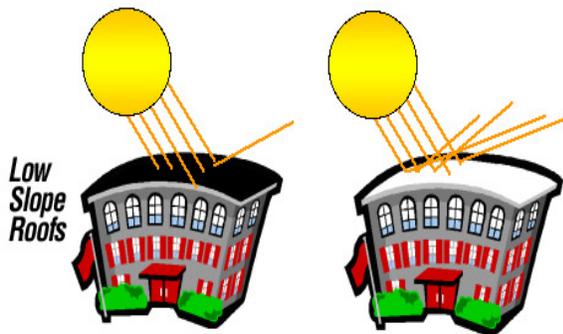
### What is a “Cool Roof?”

A cool roof reflects and emits the sun’s energy (heat) back to the sky instead of transferring it to the building below. “Coolness” is measured by two properties: Solar Reflectance and Thermal Emittance. Both properties are measured from 0 to 1 and the higher the value, the “Cooler” the roof.



### Benefits of “Cool Roofs”

- Increase in occupant comfort, especially during hot summer months.
- Reduces air conditioning use, resulting in energy savings typically of 10-30%
- May decrease roof maintenance cost due to longer roof life.



### When is Cool Roof required in H.B.?

The California Energy Commission requires all cities to comply with the current edition of the Building Energy Efficiency Standards.

For residential projects, a cool roof is required when constructing new or re-roofing with material (i.e.: tile) that weighs 5 lb/ft<sup>2</sup> or greater.

See our website [www.huntingtonbeachca.gov](http://www.huntingtonbeachca.gov) or contact our office at (714) 536 - 5241 for additional information and other possible alternatives.