

“Though it’s often overlooked by building owners, the roof is an ideal place to start reducing energy costs.”

- Building Operating Management Magazine



Cool Roofing 101



The best way to cool a building is to divert the solar energy before it raises temperatures.

“It did exactly what they said it would... and then some.”

- Mark Tiedt, Tomball ISD
Director - Buildings & Grounds

ENERGY STAR® approved



ENERGY STAR® is the trusted, government-backed symbol for energy efficiency. In order to qualify, low slope roof products must have an initial solar reflectance at least 65%. After 3 years, the solar reflectance must be at least 50%.

LEARN MORE AT energystar.gov

CA Title 24 approved



The California Title 24 Building Code defines a “cool roof” as having a minimum solar reflectance of 70% and minimum thermal emittance of 75%.

CRRC listed



The Cool Roof Rating Council® (CRRC) is an independent, non-profit organization that maintains a third-party rating system for radiative properties of roof surfacing materials.



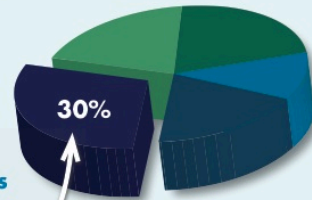
Energy Savings: the PROOF is on the ROOF

Tomball Junior High School’s 165,000 ft² roof is a testimony to energy efficiency. The PremiumCoat® System, including a highly reflective white FinishCoat, was applied to the existing roof substrate in the summer of 2008. A recent energy study conducted by Bob Higginbotham, Environmental Services Director - Tomball ISD, revealed that the school is saving 20-24% on their electricity bills **per year**.



Base Year	Sept 07' — Aug 08'	\$197,855	
1 st year of Application	Sept 08' — Aug 09'	\$150,545	
1st year of Savings		\$47,310	(24% reduction)
Base Year	Sept 07' — Aug 08'	\$197,855	
2 nd year of Application	Sept 09' — Aug 10'	\$157,482	
2nd year of Savings		\$40,373	(20% reduction)

Total electrical cost savings since application: \$87,683

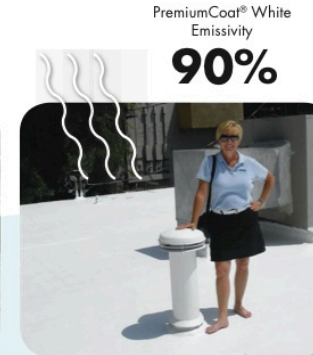
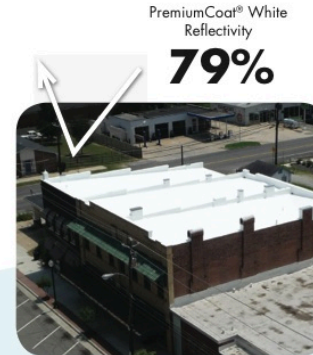


Building Operating Expenses

Energy represents 30% of a typical office building’s costs. It is a property’s single largest operating expense.

- 30% - Utilities**
- 18% - Cleaning
- 11% - Roads, Grounds, Security
- 22% - Repairs & Maintenance
- 19% - Administrative

Source: www.epa.gov/climateleaders - Data based on 2002 BOMA Experience Exchange Report



Benefits of a PremiumCoat® Cool Roof:

- Preserve existing roof substrate - no tear offs; reducing the amount of landfill waste
 - Lower internal building temperatures, resulting in increased occupant comfort
 - Less energy required to cool the building
 - Improved effectiveness of HVAC units
 - Reduces “Urban Heat Island Effect”, helping to reducing air pollution
 - May qualify for a local utility rebate*
- *check with local utility company to see if your building qualifies



“...since the installation of this Hydro-Stop PremiumCoat® System we are happy to report that we are currently **saving an average of 8% monthly on our energy bill**. As a result, we expect to pay off the cost of the roof within 5 years with our energy savings.”

- Olga Rivera, Financial Administrator, St. Brendan High School, Miami FL