



GuardTop® Facts

- GuardTop was founded in 1983 in California
- **GuardTop is always environmentally friendly and free of coal-tar**
- Formulations incorporate recycled materials and is free of carcinogenic additives and hazardous volatiles
- **GuardTop is a family-owned and operated business**
- GuardTop produces seven million gallons of product each year
- **Its products are safe to touch and will not burn skin upon contact**
- The company takes pride in quality results
- **CoolSeal by GuardTop® was applied at the Balboa Sports Complex lot, which has seen an 11-degree cooldown**
- GuardTop's cool pavement was first applied in 2013
- **CoolSeal is patent pending**

CoolSeal by GuardTop® Explained

CoolSeal by GuardTop® is a high-performance asphalt coating designed to protect, seal and beautify parking lots, driveways, blacktops and other asphalt surfaces while achieving lower surface temperatures through increased solar reflectivity.

Similar to cool roofs, which are lighter-colored and keep the air inside and outside the building cooler by reflecting more of the sun's energy, cool pavements reflect more of the sun's energy to produce cooler surface temperatures on the pavement or asphalt.

CoolSeal by GuardTop® has been tested and certified to meet the Environmental Protection Agency (EPA) standard **33% solar reflectance** design goal.

Why are cool pavements necessary?

Cool pavements were designed to aid in reducing and ultimately eliminating heat islands. A heat island is an urban area that has significantly higher temperatures than its surrounding rural areas due to human activities. Conventional paving materials can reach temperatures between 120-150 degrees Fahrenheit.

Heat islands are common in areas such as Los Angeles, London, New York City and Paris. By using products such as CoolSeal by GuardTop® to support in relieving heat islands, community members can save money on energy bills and reduce emissions. According to National Geographic, the Los Angeles heat island costs the city **\$100 million** a year in energy.

Benefits of CoolSeal by GuardTop® and Cool Pavements

- Energy savings and emission reductions
- Increased nighttime visibility for drivers, pedestrians and bikers
- Improved comfort and safety for children and animals on playgrounds, walking paths, neighborhoods, bike trails and communal areas.
- Reduced street lighting costs
- Improved water and air quality
- Flights global warming and slows down climate change
- Enhanced safety

Why GuardTop®?

GuardTop® is made with the environment in mind. Its formula incorporates recycled materials and is free of hazardous volatiles and carcinogenic additives.

GuardTop® products preserve pavement and play a vital role in reducing dust and waste associated with replacing asphalt surfaces.

Coolseal by GuardTop® is a made to order product and uses recycled materials whenever possible.