WHITE TOP®

BY gardner® ASPHALT SUPPLY

High-Performance Cool Pavement Solution

Engineered with sustainability in mind, **Gardner Asphalt Supply White Top® Cool Asphalt Sealer** reflects heat to reduce surface temperatures while providing added surface protection. Our water-based, high-performance, asphalt emulsion meets Environmental Protection Agency (EPA) and LEED requirements for 33 percent reflectivity and can outlast other conventional sealcoats. White Top® provides a safer, more functional application, making it ideal for parking lots, driveways, residential areas, parks, schools and other LEED-certified building projects.

Traditional seal coatings and dark asphalt surfaces absorb heat and energy produced by the sun, resulting in higher surface temperatures that can reach in excess of 160 degrees Fahrenheit. **White Top®** can reduce surface temperatures by double digits, up to 30 ° F, creating safer and more comfortable urban environments.

- COOL GRAY WATER-BASED COATING
- MEETS LEED AND EPA REQUIREMENTS OF 33% REFLECTIVITY
- LOWERS SURFACE TEMPERATURES UP TO 30° F (1)
- INCREASED NIGHTTIME VISIBILITY
- DRIES FAST – FOOT TRAFFIC IN 2-4 HOURS
- NO GLARE FOR DRIVERS OR PEDESTRIANS
- DRIES TO A MATTE FINISH AND BRIGHTENS WITH AGE
- NEUTRAL SCENT WHEN APPLIED
- COMFORTABLE FOR PEOPLE & PETS

What is a Heat Island?

Urban areas are usually warmer than their rural surroundings, a phenomenon known as the “heat island effect.” As cities develop, more vegetation is lost and more surfaces are paved or covered with build¬ings. The change in ground cover results in less shade and moisture to keep urban areas cool.

Heat islands can affect communities by increasing summertime peak energy demand, air conditioning costs, air pollution and greenhouse gas emissions, heat-related illness and mortality, and water quality. (1)

SURFACE PREPARATION: Newly paved asphalt surfaces must be allowed to cure for a minimum of six months or a full summer’s season prior to application of any sealer. Surfaces should be pressure washed and oil spots treated, then rinsed with clean water to remove contaminants prior to applying sealer. This promotes proper bonding and helps prevent adhesion failures. Repair cracks and holes with Black Jack Speed-Fill Elastic Crack Filler for longest lasting results. For cracks and holes larger than 1” use Black Jack Speed-Patch. All repaired areas must be allowed to fully cure before sealing.

APPLICATION: Temperatures must be at least 50 °F and rising, but below 90 °F during application. Do not apply if rain or cold temperatures are expected within 24-36 hours. Not recommended for use on steep surfaces with a slope greater than 20 degrees. After surface is rinsed thoroughly, allow pavement to dry. This sealer can be applied to pavement at a rate of 22-25 wet mils. Apply product by squeegee, brush, or professional sprayer. Ensure all voids are filled and sealed. Second coat is required, apply perpendicular to the first after the first coat has cured (approx. 2-4 hours). It is important to seal in one continuous application, maintaining a wet edge, for a uniform finish and to prevent “color shading”.

TYPICAL PROPERTIES:	
Weight/Gallon	11-12 lbs.
Mandrel Bend Test	No Cracking
Solids	47-51%
QUV UV Aging, 1000hrs	Product brightens, no damage to coating.
Consistency	Spray, Roller, Squeegee
VOC	< 50 g/L
Cure Time	2-4 Hours
Resistance To Heat	Pass
Full Cure	24-48 Hours
Uniformity	Pass
Application Temperature	50° F-90° F
Water Resistance	No Delamination
Taber Abrasion	< 1% Mass Loss
Flash Point	Not Detected
Reflectivity	≥ 33%

CURE/DRY TIME: Coated surface must cure approximately 2-4 hours before foot traffic and 24-48 hours before vehicle traffic. Humid or cloudy conditions will slow the drying process.

PRECAUTIONS: Do not mix or blend this product with any other driveway products. Protective clothing and eyewear should be used during application of these products, as product may cause skin irritation. When transporting this product, ensure that container is secure and upright. Do not reuse empty containers. Dispose of in an environmentally responsible manner. Do not pour excess product in drains or watercourses. Caution should be taken on linoleum floors, which may experience slight discoloration from household traffic stains, including asphalt driveway sealers. Consult your linoleum manufacturer for suggestions. Seal container when not in use. Do not use in drinking water or or food systems.

(1) U.S. Environmental Protection Agency. 2012.
Reducing urban heat islands: Compendium of strategies.
Draft. https://www.epa.gov/heat-islands/using-cool-pavements-reduce-heat-islands