CoolSeal by GuardTop® Product Specification

CoolSeal by GuardTop® RTU

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GuardTop's commitment to sustainability has guided the development of CoolSeal by GuardTop, an ultra-high performance asphalt-based sealcoat that achieves lower surface temperatures with its lighter colored surface and higher reflectivity. Perfect for school districts, parking lots and LEED-eligible building projects.

Specifications	Minimum	Maximum	Test Methods
Cone Penetration @ 77ºdmm	450	700	ASTM D217
Nonvolatile Components % weight	50	60	See note 1
Percentage Nonvolatile Soluble in Trichloroethylene by Weight	20	35	ASSHTO T-45-56
Solar Reflective Index (Typically 35-36)	33	45	ASTM E 1980
Solar Reflectance (Typically .34- .35)	.33	.42	ASTM E 903
Typical Density-lbs./gal	10.5	11.4	
Wet Track Abrasion Test (Typically < 1.0%)	0	20	ASTM 3910
	Requirements	Results	
Scrub Resistance	10,000 Cycles	Minimal Loss/No Failure	ASTM D 2486-17
Accelerated Weathering	Non Material Detioration After Exposure	Passes/Excellent	Federal Spec (2 years) Exposure TT_C_555B
Resistance to Wind Driven Rain (98mph)	No Leaks or Weight Gain	Passes/Excellent	Federal Spec TT-C-%%%B
Ultraviolet Resistance (12 years exposure)	No Cracking, Peeling, Chipping, or Flaking	Passes/Excellent	
Color as Received	Gray		
Cured Film	Gray		

Note 1: Meets or exceeds California Greenbook 203-9 Specification. Method for determination of nonvolatile components: Weight 10 grams of homogenous product into a previously tarred, small ointment can lid. Place a constant temperature oven at 325º for 1 ½ hours. Cool, re-weight and calculate nonvolatile components.

Surface Preparation

1. Clean and fill all cracks 1/8" and larger with crack filler. Larger cracks may require several applications. For best results, it is recommended that all broken asphalt be removed and patched with new asphalt. It is also suggested that extreme low spots be filled with new asphalt. **New asphalt patches should cure for 30 days and replaced asphalt 4" or more in depth should cure for 180 days minimum before application of CoolSeal by GuardTop.**

2. Sealcoats will not adhere to surfaces with excessive oil and grease. For a quality job, clean all oil and grease deposits with a degreasing solution using a stiff bristle broom or a power operated cleaner. Areas completely saturated are recommended to be removed and replaced with new asphalt. Then apply Oil Seal by GuardTop to all oil and grease stained surfaces with a small broom insuring full coverage over the stain.

3. After all pavement repairs have been completed, the surface should be clean and free of all dirt, debris and loose graveled particles. Please not that dirt and loose debris will restrict the adherence of the sealcoat. To clean the surface, use a power broom, power blower and/or flush the surface with high pressure water.

4. It is recommended that the surface be sprayed with a mist of water in an amount that will leave the surface damp and free of standing water or puddles. The misting procedure is critical when the ambient temperature is hot and on bright sunny days or when the pavement is excessively aged and porous.

5. For excessively weathered surfaces, a primer or fog seal should be applied to the surface. The primer should consist of a 50/50 mixture of SS1-h and water. Apply the mixture to the surface by spray and let dry before applying GuardTop material.

Surface Compatibility

1. CoolSeal by Guardtop must be applied to asphalt surfaces. CoolSeal is not compatible with concrete or composite pavement.

2. Before applying other products such as road slurry over the top of existing CoolSeal you must ensure that there is sufficient void structure within the asphalt surface for proper adhesion. CoolSeal must be allowed to wear for 2-3 years after initial application for this to occur. For best results GuardTop recommends reapplying CoolSeal or any asphalt based sealcoat.

Application

1. GuardTop Asphalt Based Sealcoat is specifically formulated from unique base stocks and mineral aggregates and is designed to protect and beautify existing asphalt surfaces. It contains no coal-tar and remains environmentally friendly. GuardTop is engineered with a high solids content to make it tougher and longer lasting. application. Apply CoolSeal by GuardTop using a truck mounted tank, wheeled container, or can. Spread in continuous parallel lines by means of rubber faced squeegees or broom technique. On excessively rough areas, for the first coat, add 3 lbs. of 30 mesh sand and 1/10 gallon of GuardTop Latex Additive to each gallon of material. Apply as a normal first coat, and then follow with two coats of CoolSeal by GuardTop without the additive and sand. **It is recommended that two coats of CoolSeal by GuardTop be used during application to ensure a long lasting surface.**

2. CoolSeal by GuardTop should be allowed to dry a minimum of 24 hours before heavy traffic is permitted. Please note that when asphalt is cold, in shade or the ambient temperature is below 75º, drying time may need to be extended. CoolSeal by GuardTop should not be applied in temperatures below 55º and extra care should be taken in temperatures exceeding 100º. Material should not be applied within 48 hours of forecasted rain, as rain may affect curing of asphalt sealcoat products.

Application Rates

The following table can be used as a guideline of CoolSeal by GuardTop coverage per square feet of surface area. This table is based on two coats prior to water dilution of the product. Please note that this is only a guideline and exact coverage depends upon both the condition of existing pavement and the surface condition desired after application.

Surface	Recommendation Per Sq. Yard
Smooth dense surface	.225 Gallon
Medium surface	.27 Gallon
Rough, aged surface	.315 Gallon
Excessively rough surface	Consult manufacturer's representative

Caution

Do not store in extremely warm conditions. Keep from freezing.

Packaging

Bulk, 5 gallon pails and 55 gallon drums.