



GuardTop® High Performance Asphalt Based Sealcoat

Revised 1/1/22

GuardTop Asphalt Based Sealcoat Product Specification for California

GuardTop is a mineral and fiber reinforced asphalt emulsion blended with special additives for outstanding adhesion, flexibility, and durability. GuardTop restores the asphalt binder lost through oxidation and weathering, while providing a durable surface treatment. GuardTop helps your pavements look new again, providing the surface with a deep, rich black color and protection against raveling and cracking due to aggregate loss.

This product meets and exceeds the California Greenbook (2000) 203-9 specification, along with many other specifications.

Specifications for finished product	Minimum	Maximum	Test Method
Typical Density-lbs./gal	10.5	12	ASTM D 2939.07
Nonvolatile Components by Weight	60%	70%	ASTM D 2939.08
Asphalt Content by Weight	14%	33%	ASTM D 2939.21
Fine Aggregate Content by Weight	31%	50%	GuardTop Report
VOC Content by Volume	0%	3%	ASTM D 244-89
	Requirements	Results	
Accelerated Weathering (2 yrs)	No Material Deterioration After Exposure	Passes/Excellent	Federal Spec TT-C-555B
Resistance to Wind Driven Rain (98mph)	No Leaks or Weight Gain	Passes/Excellent	Federal Spec TT-C-555B
Ultraviolet Resistance (12 yrs.)	No Cracking, Peeling, Chipping, or Flaking	Passes/Excellent	GuardTop Report
Color as Received	Black	Pass	GuardTop Report
Cured Film	Deep Black	Pass	GuardTop Report
Material Uniformity	Uniform	Pass	ASTM D 2939.05
Flashpoint	> 450°F	Pass	ASTM D 2939.12
Softening point	> 210°F	Pass	ASTM D 36
Drying Time, firm set	Within 8 Hours	Pass	ASTM D 2939.13
Resistance to Heat	No Sagging or Slipping	Pass/None	ASTM D 2939.14
Resistance to Water	No Cracking	Pass	ASTM D 2939.15
Flexibility	Pass	Pass	ASTM D 2939.16 (1)
Direct Flame Test	No continued combustion or slippage and run-down	Pass/None	ASTM D 2939.20
Wet Film Continuity	Uniform consistency	Pass	ASTM D 2939.22
Wet Flow	Uniformly homogenous	Pass	ASTM D 2939.19 (2)
Wet Track Abrasion Test (1 hr.)	< 15	Pass	ASTM 3910
Wet Track Abrasion Test (6 day)	< 15	Pass	ASTM 3910

(1) Flexibility test (ASTM D 2939.16) performed at 23° C.

(2) Wet flow test (ASTM D 2939.19) performed at an angle 10° above horizontal.

Specifications for base asphalt	Minimum	Maximum	Test Method
Flashpoint	> 450° F	Pass	ASTM D 92
Softening Point	> 140° F	Pass	ASTM D 36

Surface Preparation

1. Clean and fill all cracks 1/4" 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 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



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removed and replaced with new asphalt. Then apply GuardTop Oil Seal 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 note 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.

Application

GuardTop material should be mixed with water to obtain a desired consistency before application. It is recommended that the maximum dilution should be 20% water to 80% GuardTop . GuardTop Concentrate is specifically formulated to provide superior performance and consistency without the need for added water. Apply GuardTop using a truck mounted tank, wheeled container, or can. Spread in continuous parallel lines by means of rubber faced squeegees, brooms or spray technique. On excessively rough areas consult your manufacturer's representative.

It is recommended that two coats of GuardTop be used during application to ensure a long lasting surface.

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 75°F, drying time may need to be extended. GuardTop should not be applied in temperatures below 55°F, and extra care should be taken in temperatures exceeding 105°F. 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 GuardTop coverage. This table is based on two coat application of the ready to use 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	Gallons per square foot	Gallons per square yard
Extremely smooth surface	0.020	0.180
Smooth dense surface	0.0235	0.225
Medium surface	0.030	0.270
Rough, aged surface	0.035	0.315
Excessively rough surface	Consult manufacturer's representative	

* Single coat applications are accepted based on specific criteria such as tight new asphalt surfaces, aesthetic coat or continuing surface seal programs of previously treated asphalt surfaces. Please contact your local GuardTop representative for further recommendations on single coat usage and coverage rates (i.e. 1 coat treatment gals = 0.11- 0.18 per square yard based on surface texture)

Caution

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

Packaging: Bulk, 5 gallon pails and 55 gallon drums.