

## Guard Cote PLUS™

### Asphalt Based Pavement Sealer

#### DESCRIPTION

Guard Cote PLUS™ is a polymer modified asphalt emulsion pavement sealer designed to be field mixed with mineral aggregate for superior longevity. It is suitable for use on any asphalt pavement. Guard Cote PLUS™ is produced with a colloid mill in a state of the art continuous process for unparalleled control and consistency of resin particle size and distribution. Guard Cote PLUS™ exhibits excellent bonding to any asphalt surface and is resistant to degradation from ultraviolet light. It forms a tough weather proof barrier on porous asphalt surfaces. Guard Cote PLUS™ exhibits outstanding wear resistance compared to conventional asphalt based sealers. Guard Cote PLUS™ is supplied ready to use. No additional dilution is required.



#### APPLICATION

Guard Cote PLUS™ must be applied to clean, structurally sound asphalt pavements that are surface cured and free from all loose and foreign debris. Wide cracks, alligatored areas and soft or sunken pavement must be properly repaired. The pavement surface must be dry. Areas previously saturated from subsurface moisture must be dry and show no signs of renewed seepage for 24 hours prior to application. Oil and grease spots must be properly cleaned and primed prior to sealing. All vegetation should be treated with a water based herbicide at least one (1) week prior to sealing and removed during final surface preparations.

Guard Cote PLUS™ can be applied by using spray equipment, mechanical squeegee equipment, brush or rubber squeegee. All application equipment must be capable of applying a sufficient quantity to uniformly coat the pavement surface at the specified application rates.

#### SPECIFICATIONS

Guard Cote PLUS™ meets the compositional criteria and exceeds the performance criteria described in most specifications for asphalt based pavement sealers. While it has similar composition to pavement sealers made from SS1-h or CSS1-h, Guard Cote PLUS™ is emulsified in our state of the art process with an asphalt specifically produced for exceptional performance as a pavement sealer. The following section contains typical test data for standards that are specific to the physical properties and performance of pavement coatings.

## KEY ADVANTAGES

- Polymer modified for superior flexibility and durability
- Produced by emulsifying a performance engineered asphalt - NOT a blend of road emulsion and fillers
- Continuous process colloid mill production assures the highest standard for product quality and consistency
- Protects pavement surfaces from the weather and oxidation from the sun

The asphalt used to produce Guard Cote PLUS™ meets the following standards for physical properties:

STANDARD	PROPERTY	RESULT
ASTM D5	Penetration of Bituminous Materials (units)	10-25
ASTM D113	Ductility of Bituminous Materials (cm)	5-15
ASTM D36	Softening Point of Bituminous Materials	>200° F.
ASTM D3381	Viscosity (275° F., Min., cSt.)	300
ASTM D2042	Solubility in Trichloroethylene	99.0% Min.

Guard Cote™ PLUS meets or exceeds all requirements of ASTM D8099/D8099M-17 - standard specification for asphalt emulsion pavement sealer as well as the following specific criteria for performance evaluation of pavement coatings:

STANDARD	PROPERTY	RESULT
ASTM D2486	Scrub Resistance (10,000 cycles)	<1.00% loss
ASTM D4060	Dry Abrasion Resistance	Pass
ASTM D4799	Accelerated Weathering (5,000 hours)	Pass
ASTM D2939-15	Resistance to Water	Pass
ASTM D2939-16	Flexibility	Pass
ASTM D2939-22	Wet Film Continuity	Pass
ASTM D2939-26	Resistance to Impact	Pass
ASTM D2939-27	Resistance to Impact after Weathering	Pass

Guard Cote™ typical properties:

STANDARD	PROPERTY	RESULT
ASTM D2939-7	Residue by Evaporation	37.50 Min.
ASTM D2939-8	Ash of Residue	36.00-37.00
ASTM D2939-10	Drying Time (firm set in 8 hours)	Pass
ASTM D2939-13	Specific Gravity	1.11
ASTM D3960	VOC Content (grams per liter)	<2.00

### MIX DESIGNS AND USAGE

Guard Cote PLUS™, as supplied, is a ready to use pavement sealer designed to be mixed with mineral aggregate as a protective pavement coating. The components are proportioned based upon a number of factors including age, texture and porosity of the pavement to be sealed, as well as the amount of traffic the pavement will receive (see recommendations below for further details).

#### Aggregates

Aggregates, such as silica sand and boiler slag, must be washed, graded and free from dust, clay or other foreign contaminants. The aggregate must be angular and of medium grain fineness (AFS 50-70).

#### Latex Additives

Guard Cote PLUS™ is polymer modified as supplied. No additional latex additives are needed to improve the sealers durability, gasoline and oil resistance and color (see recommendations below for suggested mix designs). Additional additives may be used to improve the sealer's drying time, scuff resistance or to improve sand retention in high traffic areas.

### COVERAGE

Based upon the below referenced mix designs, Guard Cote PLUS™ coverage rates are as follows:

- 1st Coat - 0.10 - 0.15 gallon per square yard
- 2nd Coat - 0.08 - 0.12 gallon per square yard
- 3rd Coat - 0.08 - 0.12 gallon per square yard

When multiple coats are used, allow previous coat to dry so that it will withstand traffic without scuffing before applying the next coat of sealer. Temperatures below 70° F, relative humidities above 50%, and lack of air movement will retard curing and lengthen the time between coats.

### PACKAGING

Available in bulk only

### PRECAUTIONS

Apply Guard Cote PLUS™ to unsealed asphalt pavements or to surfaces previously sealed with refined tar or asphalt emulsion pavement sealers. Some discoloration of freshly applied sealer may occur in the presence of excessive moisture. Areas saturated or actively seeping subsurface moisture must be allowed to thoroughly dry before sealing with Guard Cote PLUS™.

New asphalt pavements and repair areas must be allowed to cure for a minimum of sixty (60) days at a minimum daytime temperature of 60° F, before sealing with Guard Cote PLUS™. A simple test to determine if pavement is ready to be sealed is to cast a gallon or two of clean water over the surface. If the water sheets out, uniformly wetting the surface and no oil rings appear, the surface is ready to be sealed. If the water balls up and/or shows signs of oil rings, the surface is not ready to be sealed and should be allowed to cure longer.

Guard Cote PLUS™ may cause minor skin irritation. As with all chemicals, wear splash resistant goggles, protective gloves and clothing when applying Guard Cote PLUS™. In case of skin or eye contact, immediately flush area with clean water. Consult Safety Data Sheet for more information on safety and handling.

### LIMITATIONS

Guard Cote PLUS™ must be applied only when ambient and pavement temperatures are a minimum of 50° F and are expected to remain there for at least twenty-four (24) hours after sealer application.

Guard Cote PLUS™ must be applied to surfaces that are dry and free from subsurface moisture. Guard Cote PLUS™ must not be applied during rainy or wet conditions such as foggy or overcast days with high relative humidity or when rain is predicted within twenty-four (24) hours after sealer application.

### LIMITED WARRANTY

The Brewer Company warrants this product to be of merchantable quality when stored, used and applied in accordance with the specifications and instructions on the product label and herein. This limited warranty represents the sole and exclusive warranty. The Brewer Company's liability under this limited warranty is limited to replacement of the product proven defective or, at its option, refund of the selling price.

### MIX DESIGNS

Traffic Pattern	No. of Coats	Guard Cote PLUS™ Gals.	Water Gals.	Aggregate Lbs.	Additive Gals.
Pedestrian - maximum scuff resistance (playgrounds, walkways)	1st coat	100	5-10	100-200	1-2
	2nd coat	100	5-10	100-200	1-2
Residential or non-vehicular (driveways, multi-use trails)	1st coat	100	0-5	0-200	0-2
	2nd coat	100	0-5	100-200	0-2
Low traffic parking areas	1st coat	100	0-5	0-200	0-2
	2nd coat	100	0-5	100-200	0-2
Moderate traffic parking areas	1st coat	100	0-5	0-300	0-2
	2nd coat	100	0-5	100-300	0-2
High traffic parking areas, drive lanes, entrances and service roads	1st coat	100	0-5	0-400	0-2
	2nd coat	100	0-5	100-400	0-2
	3rd coat	100	0-5	100-400	0-2