

Poly Cote™

Polymer Fortified Pavement Sealer

DESCRIPTION

Poly Cote™ is a polymer modified refined tar emulsion pavement sealer designed to be field mixed with mineral aggregate for utmost wear resistance. It is produced with a colloid mill for consistent tar particle size and distribution. With its advanced polymer fortification, Poly Cote™ provides excellent adhesion and flexibility and exhibits outstanding resistance to gasoline, oil and ultraviolet light when properly installed on asphalt pavement surfaces.



APPLICATION

Poly Cote™ 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 or replaced prior to sealing. 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.

Poly Cote™ 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 of Poly Cote™ to the pavement to ensure a uniform coating at the specified application rates.

KEY ADVANTAGES

- **Polymer modified for superior adhesion and wear resistance**
- **Colloid milled for consistent trouble free performance**
- **Formulated for maximum flexibility over a wide variety of climatic conditions**

MIX DESIGNS AND USAGE

Poly Cote™, as supplied, is designed to be mixed with mineral aggregate to form a high solids, ready to use pavement coating. Specific mix designs are based upon age, texture and porosity of the pavement to be sealed, as well as the amount of traffic the pavement will receive (see recommendations on back 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

While no additives are required with Poly Cote™ due to its unique polymer reinforcement, additional additives for drying or added scuff resistance may be used. Exceeding 2 gallons of additive per 100 gallons of Poly Cote™ will provide little or no additional benefit.

The following specifications and standards apply to Poly Cote™ for performance. Poly Cote™ meets all performance requirements of ASTM D5727

PROPERTY	TYPICAL
ASTM D5	Penetration of Bituminous Materials
ASTM D139	Float Test for Bituminous Materials
ASTM D2923	Emulsified Bitumens as Protective Coatings
ASTM D4072	Solubility in Toluene
ASTM D5727	Emulsified Refined Tar Coatings (Characteristics)
ASTM D6948	Refined Tar Sealer Ready to Use - Commercial Grade

COVERAGE

Based upon the below referenced mix designs, Poly Cote™ 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. A small amount of water can be added when high ambient or surface temperatures are encountered. (see chart below)

POLY COTE™ TYPICAL PROPERTIES

PROPERTY	TYPICAL
Non-volatile content %	38.00 - 40.00
Ash of Non-Volatile, %	36.00 - 37.00
Drying time, hours	4.0
Adhesion/resistance to water	No penetration/adhesion loss
Flexibility	No cracking or flaking
Specific Gravity at 25 C.	1.16

MIX DESIGNS

Traffic Pattern	No. of Coats	Poly Cote™	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

PRECAUTIONS

Apply Poly Cote™ to unsealed asphalt pavements or surfaces previously sealed with refined tar emulsion pavement sealers.

Pavements previously sealed with asphalt emulsion pavement sealers should be allowed to weather for a minimum of two (2) years or until 50% of the pavement aggregate is exposed, before sealing with Poly Cote™.

New asphalt pavements and repair areas shall be allowed to cure a minimum of sixty (60) days at a minimum daytime temperature of 60 °F before sealing with Poly Cote™. A simple test to determine if a 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.

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

LIMITATIONS

Poly Cote™ 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. Poly Cote™ 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. When the ambient temperature is in excess of 85 °F, the pavement should be fogged with clean water immediately prior to sealer application, to facilitate better bonding and even spreading of sealer. All standing water must be removed prior to sealer application. Protect product from freezing. Once frozen, product is not useable. This product is for exterior use only.

PACKAGING

Available in bulk only

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.