THE BREWER COMPANY

Eclipse® PLUS

Polymer Modified Petroleum Resin Pavement Sealer

DESCRIPTION

Eclipse® PLUS is a petroleum resin emulsion pavement sealer. It is polymer modified for superior durability. Eclipse® PLUS is supplied ready to use and is suitable for use on any asphalt pavement.

Eclipse® 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. Eclipse® PLUS exhibits excellent bonding to any asphalt surface and is highly resistant to gasoline and oil penetration as well as degradation from ultraviolet light. It forms a tough weather proof barrier on porous asphalt surfaces and provides excellent wear resistance. Eclipse® PLUS is low in PAH content and significantly outperforms asphalt emulsion pavement sealers.

APPLICATION

Eclipse® 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.

Eclipse® 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

Eclipse® PLUS meets the performance criteria described in most specifications for asphalt and refined tar based pavement sealers. As it is a petroleum resin, not asphalt or refined tar, however, it does not have the same composition as asphalt based sealers made from SS1-h or CSS1-h. The following section contains typical test data for standards that are specific to the physical properties and performance of pavement coatings.

KEY ADVANTAGES

- **Unique, high performance resin base**
- **Alternative to both refined tar and asphalt emulsion based sealers**
- **Significantly out-performs asphalt based sealers**
- **Gasoline and oil resistant**
- **Provides excellent adhesion and wear resistance**
- **Continuous process colloid mill production assures the highest standard for product quality and consistency**

Eclipse® PLUS meets the following standards used primarily for asphalt based pavement sealers for physical properties and performance:

STANDARD	PROPERTY
ASTM D5	Penetration of Bituminous Materials
ASTM D139	Float Test for Bituminous Materials
ASTM D217	Cone Penetration
ASTM D529	Carbon-Arc Accelerated Weathering
ASTM D2939	Emulsified Bitumens as Protective Coatings
ASTM D3910	Wet Track Abrasion

Eclipse® PLUS does not contain refined coal tar but meets the following standards used primarily for refined tar based sealers for physical properties and performance:

STANDARD	PROPERTY
ASTM D5	Penetration of Bituminous Materials
ASTM D139	Float Test for Bituminous Materials
ASTM D2939	Emulsified Bitumens as Protective Coatings
ASTM D4072	Solubility in Toluene
ASTM D5727	Emulsified Refined Tar Coatings (Characteristics)
FAA P-625	Federal Aviation Administration Specifications for Airfield Surface Treatments
FAA P-627	
FAA P-630	
FAA P-631	

Eclipse® PLUS Typical Properties:

PROPERTY	TYPICAL
Non-volatile content %	38.00 - 39.00
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.	1.25

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MIX DESIGNS AND USAGE

Eclipse® 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

Eclipse® 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, Eclipse® 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 Eclipse® 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 Eclipse® 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 Eclipse® 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.

Eclipse® PLUS may cause minor skin irritation. As with all chemicals, wear splash resistant goggles, protective gloves and clothing when applying Eclipse® 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

Eclipse® 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.

Eclipse® PLUS must be applied to surfaces that are dry and free from subsurface moisture. Eclipse® 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	Eclipse PLUS® Gals.	Water Gals.	Aggregate Lbs.	Additive Gals.
Pedestrian - maximum scuff resistance (playgrounds, walkways)	1st coat 2nd coat	100 100	5-10 5-10	100-200 100-200	1-2 1-2
Residential or non-vehicular (driveways, multi-use trails)	1st coat 2nd coat	100 100	0-5 0-5	0-200 100-200	0-2 0-2
Low traffic parking areas	1st coat 2nd coat	100 100	0-5 0-5	0-200 100-200	0-2 0-2
Moderate traffic parking areas	1st coat 2nd coat	100 100	0-5 0-5	0-300 100-300	0-2 0-2
High traffic parking areas, drive lanes, entrances and service roads	1st coat 2nd coat 3rd coat	100 100 100	0-5 0-5 0-5	0-400 100-400 100-400	0-2 0-2 0-2

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