



Brewer AE—H/S

Concentrated Pavement Sealer

TECHNICAL BULLETIN

Description:

Brewer AE is a high solids, concentrated asphalt emulsion pavement sealer produced with a colloid mill for consistent particle size and distribution. Formulated with a select blend of fillers, pigments and polymers, Brewer AE provides the quality conscious contractor a higher dilution rate for maximum solids content on the pavement. Compared to other asphalt emulsion sealers, Brewer AE exhibits outstanding wear resistance.



Application:

Brewer AE 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.

Brewer AE can be applied by using spray equipment, mechanical squeegee equipment, brush or rubber squeegee, designed for such purpose. All application equipment must be capable of applying a sufficient quantity of Brewer AE to the pavement to ensure a uniform coating at the specified application rates.

Key Advantages

- High solids content
- Colloid milled for consistent, trouble free performance
- Formulated with select filler, pigments and polymers for top performance

Mix Designs and Usage:

Brewer AE, as supplied, is a concentrated pavement sealer designed to be mixed with water and mineral aggregate to form a ready to use 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 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.

Latex Additives

Approved latex additives may be added to Brewer AE to improve the sealer's durability, gas and oil resistance, drying time and color (see recommendations on back for further details).

Brewer AE Typical Properties:

Property (ASTM D2939)	Typical
Sp. Gr. @ 25 °C	1.16
Non-Volatile,%	51.5
Ash Content, %	36.5
Water Content, %	48.5
Drying Time, hrs.	4.0
Cured Color	Jet Black



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Mix Designs:

Areas of Use	Type of Mix	No. of Coats	Brewer AE gals.	Water gals.	Aggregate lbs.	Additive gals.
Low Traffic	Standard emulsion	1st coat	100	35-50	0-200	0
		2nd coat	100	30-45	100-200	0
	Latex fortified emulsion	1st coat	100	40-55	0-200	1-2
		2nd coat	100	35-50	100-200	1-2
Moderate Traffic	Latex fortified emulsion	1st coat	100	40-55	0-300	2-3
		2nd coat	100	35-50	100-300	2-3
High Traffic	Latex fortified emulsion	1st coat	100	40-55	0-400	3-4
		2nd coat	100	35-50	100-400	3-4
		3rd coat	100	45-60	100-400	3-4

Coverage:

Based upon the above referenced mix designs, Brewer AE coverage rates are as follows:

- 1st coat - 0.10 - 0.15 gal/syd
- 2nd coat - 0.08 - 0.12 gal/syd
- 3rd coat - 0.08 - 0.12 gal/syd

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 60 °F, relative humidities above 50%, and lack of air movement will retard curing and lengthen the time between coats.

Limitations:

Brewer AE must be applied only when ambient temperature is a minimum of 60° F and is expected to remain at least 60° F for twenty-four (24) hours after sealer application.

Brewer AE 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.

Application at ambient temperature less than indicated here will result in poor film formation and curing. This is likely to lead to significantly reduced ability to withstand wear and premature film failure.

Contact The Brewer Company for warranty information.

Precautions:

Apply Brewer AE to any asphalt pavement.

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 Brewer AE. 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.

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

Keep out of reach of children
Dilute only as instructed
Close container when not in use

Protect from freezing
For exterior use only
Non-flammable

Packaging:

55 gallon metal drums and 4,500 gallon bulk tankers