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MAINTENANCE, INC.

Technical Data

FSA[®]-AE

FAST SEALING ADDITIVE
AND PRODUCT IMPROVER
FOR ASPHALT EMULSION
PAVEMENT SEALERS

INDEX NO. G-FSAAE-305

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Introduction:

FSA-AE is formulated to improve the application and performance of any asphalt emulsion pavement sealer. FSA-AE additive is designed for those who want to enhance performance by keeping dilution rates to a minimum and solids content at a maximum while gaining the following benefits:

- Reduces cure time by 50% or more
- Reduces tracking and power steering marks
- Dries blacker
- Improves bonding
- Helps to reduce sand roll-out
- Less filter and tip clogging
- Designed to be used with standard sealcoating equipment at standard sealcoating application rates
- Can be used with a wide range of sand loadings, or no sand at all, to engineer a sealcoating system to meet specific requirements
- Reduces labor and travel costs while enhancing performance at a competitive price

Suggested Formula Rates:

Using any asphalt emulsion sealer:

Asphalt emulsion sealer (gallons)	100
FSA-AE Additive (gallons)	2-5
Water (gallons)	10-20
Sand (lb.)	300-500

Coverage Rates:

The following is a typical rate based on the above suggested sealer formulations.

0.06-0.10 gal. of mix per yd² per coat = 6-10 yd² per gal. of mix per coat



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Formulation Tips:

The best FSA-AE formulation will depend on the asphalt emulsion sealer used, the weather and pavement conditions and the desired results. Generally:

- More FSA-AE will shorten the drying time.
- Up to a point, more FSA-AE will result in a thicker more viscous sealcoating material. Past that point, more FSA-AE will actually thin the mixture. The point at which this happens varies according to the reactivity of the asphalt emulsion sealer.
- More sand will thicken the mixture
- More sealer will thicken the mixture
- More water will thin the mixture. Too much water can cause handling or drying time problems.

Mixing:

To the diluted asphalt emulsion sealer, add the well-mixed FSA-AE additive and begin agitation. While continuing agitation, slowly add the sand. There is no need to predilute FSA-AE. It may be advisable to reserve a part of the planned dilution water to thin the mixture if necessary while keeping it from being too thin to start.

Application:

Follow accepted pavement preparation procedures prior to application.

Fog spraying is highly recommended to facilitate coverage and improve performance of the finished application. When fog spraying, dampen the pavement but do not leave puddles.

Application can be by squeegee, brush, squeegee machine, or spray equipment capable of spraying sealer with sand.

A second coat can be applied as soon as the first coat will take traffic without scuffing. After the second coat, test for trafficability before opening the pavement to regular use.

Precautions:

FSA-AE modified asphalt emulsion sealcoat should not be applied when the ambient or pavement temperatures are expected to drop below 50°F in a 24 hour period. It should not be applied when rain is expected within 24 hours.