



Technical Data

FSA[®] PLUS

DUAL ACTION ADDITIVE FOR COAL TAR SEALER

Introduction:

FSA Plus Additive is an exclusive copolymer additive formulated by Maintenance Inc. - Specialists in Pavement Maintenance since 1938. FSA Plus improves the application and performance, while thickening any diluted coal tar pitch emulsion (CTPE) sealcoating material.

FSA Plus is a unique, time-tested additive that is designed for those who want to enhance performance and increase viscosity, 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 adhesion
- Improves flexibility, especially low temperature flexibility
- Improves resiliency, the ability to recover after shrinking or stretching
- Improves abrasion resistance and decreases sand roll-out by increasing the binder to aggregate ratio and by increasing the cohesive strength of the sealer (makes the sealer tougher)
- Increases sealer's body with only slight increase in flow (keeping dilution within acceptable limits)
- 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
- No tar balls or tar strings from coagulation, flocculation or conglomeration due to incompatibility

Suggested Sealer Formulations:

Using any C.T.P.E.*:

| | <u>No Sand</u> | <u>with Sand</u> |
|--------------------------|----------------|------------------|
| C.T.P.E. (gallons) | 100 | 100 |
| FSA Plus (gallons) | 2-5 | 2-5 |
| Water (gallons) | 10-35 | 10-35 |
| Sand (lb./gal. C.T.P.E.) | -- | 3-6 |



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

Formulation Tips:

The best FSA Plus formulation will depend on the C.T.P.E. used, the weather conditions and the desired results. The more FSA Plus used the greater the benefit. Consult with the specialists at Maintenance Inc. to determine the best formula for your application.

Mixing:

FSA Plus can be added to any sealer mix (formulation) at any time and in any amount without fear of the mix becoming too thick. You will see thickening when FSA Plus is added but flow is only slightly increased. The sealer flows easily while mixing, pumping and spraying.

Application:

Follow pavement preparation procedures, application procedures and recommended number of coats found in Maintenance Inc. General Application Specification for Advanced Formula J-16 AFJ-104.

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 Plus modified C.T.P.E. sealcoating should not be applied when the ambient or pavement temperatures fall below 50°F in a 24 hour period. It should not be applied when rain is expected within 24 hours.

Use only waterborne line marking paint such as Fass-Stripe or Fass-Stripe Plus on newly sealed pavements to prevent "bleeding" of the sealer.

Notes:

When you need improved performance without a viscosity modifier, use FSA Additive.

For viscosity control use EZ Spray or Tar Gel.

For areas requiring extra fuel resistance such as truck refueling pads, use AFR Plus Additive.

ALWAYS READ THE LABEL BEFORE ATTEMPTING TO USE THE PRODUCT: Additional Technical Data Sheets and/or Material Safety Data Sheets (M.S.D.S.) are available upon request.

NOTICE: The methods and techniques described in application specifications represent some that have been used successfully to obtain the desired results. All variations in asphalt, climate conditions and equipment cannot be anticipated by MAINTENANCE INC. The decision to use any of these methods and techniques is entirely at the election and responsibility of the user.

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