

FOG SEAL

Diluted Asphalt Emulsion

Fog Seal is a single, typically light, application of emulsified asphalt over an existing roadway. Fog seal can be applied on a hot-mixed asphalt, chip sealed or micro surfaced pavement. Fog seals are applied in a single or multi-pass application by an asphalt distributor.



THE PROCESS

An asphalt distributor, with a computer-controlled application system, applies a specified rate of asphalt emulsion to the surface of an existing roadway. Fog seals helps lock the aggregate in place and provide a darker color to contrast the striping, improving safety. It also protects the pavement from moisture intrusion and oxidation, and extends pavement life by 2-4 years, depending on existing pavement conditions.

*BENEFITS

- Economical way to renew weathered asphalt surfaces
- Extends pavement life by 2-4 years
- Helps lock in aggregate on chip sealed roadways
- Makes striping more visible, improving road safety

*ISSUES ADDRESSED

- Minor surface cracks
- Oxidation
- Raveling
- Moisture intrusion

MATERIALS USED

- Asphalt Emulsions: Typically diluted, the most common are SS-1H, CSS-1H and some rapid setting emulsions

**Reported by RoadResource.org by PPRA*