

# CSS-1H (Dilute)

*Cationic Bituminous Fog Seal*

## DESCRIPTION

**CSS-1H (Dilute)** is a cationic bituminous fog seal specially designed to improve aggregate retention and service life of new chip seals or to improve the service life of other road surfaces. Fog seals are one of the most cost effective pavement preservation treatments available.

**CSS-1H (Dilute)** sets quicker than anionic and other conventional cationic fog seals; which means less interruption to traffic. Normally roads are open to traffic within 60 to 90 minutes\*.

Our **CSS-1H (Dilute)** leaves the road blacker longer than a conventional fog seal, providing extended UVR protection to the paved surface. A blacker pavement also helps a road look new longer to the driving public.

\*Weather conditions can play a factor in return traffic time.

## FEATURES/BENEFITS

- High asphalt residue allowing for wide range of application rates
- Delineates Driving Lanes
- Traffic time faster than anionic or other cationic fog seal emulsion
- Economical
- Provides long lasting black surface.
- Reduces stone loss or raveling
- Provides water resistant seal
- Ideal for most asphalt paving surfaces\*

\* Evaluation of HMA applications is required to prevent skid complications.

## APPLICATION

Optimum application of **CSS-1H (Dilute)** occurs when the ground temperature is above 50°F (10°C) and rising. **CSS-1H (Dilute)** can be applied in high humidity but this will prolong the break time. Vehicular traffic should be kept off the treated area until emulsion is cured. Ensure **CSS-1H (Dilute)** emulsion is protected from frost. Prior to application, **CSS-1H (Dilute)** should be homogenized thoroughly. The surface to be sprayed should be free of all loose material and standing water. It must be spray applied by using a suitable calibrated distributor & experienced personnel.



## SPECIFICATIONS – TECHNICAL DATA

### CSS-1H (Dilute)

<u>Emulsion Tests</u>	<u>Specification</u>	<u>Typical Results</u>
Viscosity, SFS @ 25°C, sec	20-100	25 - 50
Sieve, %	< 0.10	0.005
Residue by distillation, %	> 30	40
Pen, dmm	40-90	45 - 60

### Product Handling Guidelines

- Emulsion must **not** be blended with other emulsions.
- Direct contact heat should only be done when absolutely necessary. This should be done sporadically and with recirculation or agitation if possible. Note: Emulsion which directly contacts any heat source above 210°F will experience break and separation.
- Emulsion separation will occur if frozen or boiled.
- Diluted emulsions can be unstable and should be mixed and heated only if necessary. Contact technical support for more information.

## APPLICATION RECOMMENDATIONS

**CSS-1H (Dilute)** should be applied between 0.05 and 0.20 gallons/SY depending on the texture, porosity etc. of the surface and at temperatures 160° - 180°F (71° - 82°C) but can Be applied at lower temperatures.



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