

SURTECH AS-309

A premium cationic surfactant for asphalt-based coatings and cements

Surtech AS-309 is a cationic surfactant designed for use in gellation and wetting of various clays, fillers, and fibers in organic roof cements, coatings, and sealants. It is a patented* formulation that has been shown to provide superior performance at reduced usage levels (i.e., high clay/surfactant ratios) compared to other commonly used surfactants under a variety of mixing conditions. **Surtech AS-309** is also an excellent adhesion promoter, often eliminating the need for a separate additive, thus resulting in lower



Typical Properties

Appearance	light amber liquid
Pour point	<10°F
Viscosity @77°F – cps (Brookfield LVF – 1 @6 rpm)	400-800
Weight/gallon	7.84 lbs./gal.
Specific gravity at 77°F	0.94
Flash point	>100°F

Surtech AS-309 is non-corrosive to metals, and does not adversely affect the weatherability of asphalt formulations. **Surtech AS-309** is a non-flammable, low viscosity liquid to temperatures below 32°F., and is readily incorporated into asphalt formulations.

Directions for Use

Low shear mixing: **Surtech AS-309** is added to 50 to 75% of the asphalt cutback and thoroughly mixed. Clay is added and mixing is continued. The remaining asphalt cutback is added, followed by the fillers and other formulation components.

High shear mixing: **Surtech AS-309** is added to all of the asphalt cutback and mixed with high shear. The clay is added and high shear mixing is continued until the desired viscosity is obtained. Fillers and formulation components are added at low shear.

The optimum clay/surfactant ratio is determined by varying the ratio in increments from 8:1 to 14:1, and measuring the viscosity after mixing by the appropriate procedures. A Brookfield Viscometer or Cone Penetrometer can be used.

*U. S. Patent 5,529,621

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