

Fluid Loss Control Agent KCM065S

1. Introduction

Selection of fluid loss additives is very important for cementing job design. Most fluid loss control agents affect other properties of cement slurry such as rheology, retardation, and cement set strength. Comprehensive laboratory testing is generally required for selection of fluid loss control agents.

KCM065S is an effective fluid loss control agent for cement slurry design at wide temperature range, especially when salt cement slurries and non-retarding effect are required.

2. Physical Properties and Hazards

Additive	Form	S.G.	Water Solubility	Melting/Flash Point (°C)	Health Hazard	Physical Hazard	pH
KCM065S	White Powder	1.37-1.57	Soluble	-	None	None	N/A

3. Chemical Properties and Application

KCM065S is a solid fluid loss control agent that can be used for cement slurry design at wide temperature (105-350°F) and density ranges (12-20 lbs/gal) due to its unique chemical natures. It can be mixed with freshwater, seawater, and salt-water depending on applications.

It is approved by testing that KCM065S is not sensitive to cement brands especially for low to medium density slurry designs. However, like most polymeric fluid loss control agents, KCM065S slightly increases slurry viscosity especially at higher loading. This effect can be reduced by using dispersant.

Lower free water and no retarding effect are generally expected for cement slurries containing KCM065S. It is compatible with most cement additives especially in salt-water cement slurries.

4. Treatment

0.2-2.0% BWOC loading is generally required for effective fluid loss control depending on temperature, mixing water, and slurry density.

5. Packaging

KCM065S is supplied in plastic-lining bags with net weight of 25 kg/sack. The sack consists of two paper layers and one plastic liner.

It should be stored in shaded areas with good ventilation. Keep it away from high temperature, humidity, and direct sunlight.