

Retarding Fluid Loss Control Agent KCM017

1. Introduction

Selection of fluid loss control 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 agent especially at high temperatures.

KCM017 is a mixture of various polymeric materials which not only control the fluid loss property of the cement slurry, but also minimizes the adverse effect of most fluid loss control agents on slurry rheology.

2. Physical Properties and Hazards

Additive	Form	S.G.	Water Solubility	Melting/Flash Point (°C)	Health Hazard	Physical Hazard	pH (1% solution)
KCM017	Light Brown Powder	1.45-1.65	Soluble	>100	Eyes	None	6.0-8.5

3. Chemical Properties and Application

KCM017 is a free-flowing powder which can be added in dry cement or mix water. It is compatible with most cement brands and mix water although caution should be taken when used in seawater and salt slurries.

Laboratory testing indicates that KCM017 is compatible with most cement additives. It can be used in the temperature range of 75-190°F, but retarding effect is expected at low end of this temperature range.

4. Treatment

Generally, fluid loss less than 150ml/30min are easily obtained at KCM017 concentration range between 0.5% to 1.0% BWOC.

5. Packaging

25 kg/sack packaging is available for KCM017. The sack consists of two paper layers and a plastic liner. It should be stored in shaded areas with good ventilation. Keep it away from high temperature, humidity and direct sunlight.