

Lost Circulation Material KCM049

1. Introduction

Fluid losses to fractures, fissures or highly permeable zones during cementing operations generally result in pumping large volume of cement slurries, cement fallback and remedial treatment.

KCM049 are normally added to cement slurry to eliminate ECD (Equivalent Circulation Density) induced losses, avoid cement fallback and further minimize additional cost associated with the above operational problems.

2. Physical Properties and Hazards

Additive	Form	S.G.	Water Solubility	Melting/Flash Point (°C)	Health Hazard	Physical Hazard	pH
KCM049	White Fiber	0.95-1.35	Insoluble	>200	None	None	N/A

3. Chemical Properties and Application

KCM049 is inert fiber material, which is added into the cement slurry to create bridge or filter-cake substrate to reduce or stop losses into fractures, fissures or highly permeable zones during the cementing operations.

KCM049 can be used up to 160°C and is compatible with most cement additives and does not adversely affect thickening time and compressive strength of cement slurry, however it will change slurry rheological properties and enhance filter cake development.

Laboratory testing is required for cement slurry design while using KCM049.

4. Treatment

Typical concentration of KCM049 generally vary from 0.5 lbs to 4.5 lbs/bbl of cement slurry, higher concentration will dramatically increase the slurry viscosity and may cause mixing problems and bridge off the pumping equipment, float equipment or annulus.

5. Packaging

KCM049 is supplied in plastic-lining bags with net weight of 35 lbs/sack.

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