Anti-corrosion Agent KCM027

1. Introduction

Typical Portland cement systems are not resistant to corrosive chemical environment such as CO_2 or H_2S bearing formations. Addition of KCM027 into cement systems will improve cement resistance to corrosive fluids.
KCM027 tends to increase cement compressive strength and reduce slurry density as well.

2. Physical Properties and Hazards

Additives	Form	S.G.	Water Solubility	Melting/Flash Point (°C)	Health Hazard	Physical Hazard	pH
KCM027	Gray powder	2.88-3.08	Insoluble	>93	Eyes, inhalation	Dust	N/A

3. Chemical Properties and Application

KCM027 is an inorganic powder that can be added into regular Portland cement systems to improve both cement strength and chemical resistance to corrosive environment such as CO_2 and H_2S bearing formations. It not only reduces cement permeability to prevent the encroachment of corrosive fluids, but also reacts with extra lime in cement to improve the compressive strength of the cement.
Theoretically KCM027 can be used at any applicable cementing temperatures and densities due to its chemical and physical natures.
KCM027 is compatible with most cement additives and can be used in fresh, salt and seawater cement slurries.

4. Treatment

3-15%BWOC is generally required to have effective corrosion control and strength improvement depend on temperature, mixing water, and slurry density.

5. Packaging

KCM027 is supplied in 25kg plastic-lining sacks.