



Specialty Drilling & Cementing Additives

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Kol-Seal Lost Circulation Additive

Product Overview

KOL-SEAL is a lightweight granular solid with a specific particle size distribution for maximum bridging efficiency. It provides an economical cementing slurry with low density, lost circulation control and acts as a scouring agent to remove mud cake because of the particle hardness.

Recommended Application

KOL-SEAL is used as an extender and lightweight slurry additive. Due to its insolubility and low surface area KOL-SEAL does not greatly increase the water requirement. The amount of KOL-SEAL used normally varies from 5 to 50 lbs. per sack of cement with optimum range between 10 and 25 lbs. per sack. Each 10 lbs. of KOL-SEAL added per sack of cement will increase the slurry yield 0.17 cu ft. KOL-SEAL does not appreciably affect slurry-thickening time, and compressive strengths are generally higher than slurries using other extenders.

Compatibility

KOL-SEAL is compatible with most cement additives. However, KOL-SEAL is not normally used in slurries containing dispersants and vice versa due to the possibility of the KOL-SEAL floating out and causing annular bridging. Bottom wiper plugs are not usually used ahead of KOL-SEAL slurries.

Features and Benefits

- Remedies Lost Circulation
- Lightweight Additive
- Plug Setting
- Economical extender
- Does not affect thickening time

Typical Properties

Property	Results
S/g	1.30
Water req.	1 gal/25lbs.
Bulk Density	8 lb/ft ³
Appearance	Black
Solubility	Insoluble

Shipping, Handling & Storage

Store KOL-SEAL in a dry place. Avoid inhaling dust. Avoid skin or eye contact. In case of contact, wash with clean water. Refer to Material Safety Data Sheet (MSDS) for handling and hazard data. Comes in 50 lb. bags.

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