

Description

KAR-SEAL M is blend of cellulose fibers with mixture of angular, fibrous and flake particles used to combat lost circulation in all types of drilling fluids.

Typical Properties

Appearance : Tan powder
pH (1% solution) : Neutral
Bulk Density : 300 - 500 kg/m³

Features and Benefits

KAR-SEAL M is made of a wide range of graded fibrous angular, and flake particles designed to control of lost circulations across the fractures, vugs and unconsolidated zones. KAR-SEAL M's wide particle range is useful in building a stronger initial bridge across the thief zone.

KAR-SEAL M is preferentially oil wet and thus is compatible with both WBM and OBM systems.

KAR-SEAL M has minimal effect on rheological properties of drilling fluids.

KAR-SEAL M is thermally stable, biodegradable and non-toxic.

Application

KAR-SEAL M is used to combat total mud losses across very high permeability formations such as highly fractured carbonates, vugs and conglomerates.

KAR-SEAL M is generally applied in the form of sweeps or spots within the active drilling fluid.

Limitations

KAR-SEAL M is subject to bacterial degradation so a preservative such as KAR-CIDE or KAR-CIDE F should be used to prevent fermentation.

Treatment

It is recommended to sweep or spot 25-50 bbl pill of 15-30 lbs/bbl KAR-SEAL M across the thief zone in cases of partial loss.

When total losses are anticipated, a 50-100 bbl pill of 15-30 lbs/bbl KAR-SEAL M along with 7.5-15 lbs/bbl KAR-SEAL F should be mixed in the slugging tank and spotted across the loss zone.

Packaging

KAR-SEAL M is supplied in 25 lb (11.34 kg) multi-walled paper sack.