

# QMAXPLUG AS

## Description

QMAXPLUG AS is a blend of sealants which form a stable, high solids, high fluid loss LCM slurry in all types of water-based and oil-based drilling fluids.

## Applications

Upon contact with a thief zone, a QMAXPLUG AS slurry will rapidly de-water or de-oil, leaving behind a drillable plug in fractures, voids, and vugular spaces. The resulting seal is further enhanced when low squeeze pressure is applied. This plug can then be easily drilled through without the danger of unintentional sidetracking. The residual seal will serve as a foundation upon which a high quality mud filter cake can be deposited.

QMAXPLUG AS can be pumped through an MWD or mud motor.

## Features and Benefits

- Can be pumped through downhole tools
- Forms a cement-like matrix in the loss zone (compressive strength > 5,000 psi)
- Effectively used to squeeze weak casing shoes and enhance formation integrity
- Can be mixed and pumped using rig equipment
- > 85% acid solubility
- Squeeze pressures as high as 5,600 psi

## Typical Properties

Appearance	Solid
Color	Light gray
Odor	Mild
pH (5% by weight in water)	9.0 – 11.0

## Recommended Treatment

QMAXPLUG AS can be used to formulate an LCM slurry weighing 9 – 19 ppg with a maximum concentration of 120 lb/bbl. No special mixing equipment is needed. Simply rinse the drilling mud from mixing pit and lines, add specified quantity of water, QMAXPLUG AS, and barite, then displace slurry with rig pump. QMAXPLUG AS has also been used successfully in whole mud (OBM and WBM) as an effective sealant for preventing or stopping losses while drilling.

## Safety and Handling

Prior to using this product, refer to the safety data sheet for information on use of personal protective equipment, safe handling, storage, transport, and disposal.

## Packaging

QMAXPLUG AS is available in 25 lb bags.

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