



CLEAN SEAL™

REGULAR AND FINE

RECOMMENDATIONS

Pretreat the active system with 2-10 lbs/bbl of Clean Seal™. In the event of more severe loss mix 10-20 lbs/bbl in the slugging pit and pump sweeps every stand to mitigate losses.

In severe cases of whole fluid loss or losses of more than 30 bbls an hour consider mixing in slugging pit 20-50 lbs/bbl Clean Seal™ and sweeping the hole or spotting the pill in the wellbore.

For more severe loss circulation events Clean Seal™ can be used in conjunction with Ven-Fyber Seal™ products, Remedy™ and Quick-Squeeze™ to provide additional sealing effects and enhanced well bore stability.

BENEFITS

Clean Seal™ products provide a broad PSD for effective remediation of lost circulation.

Clean Seal™ products are over 97% Acid Soluble for ease of cleanup in reservoir formations with typical acid based completion operations.

GENERAL INFORMATION

The Clean Seal™ product line of drilling fluid additives has been developed as our Acid Soluble solution for the reduction of seepage loss, control of fluid loss, as well as well-bore stability and strengthening. Clean Seal™ has been engineered to aid in the remediation of partial to severe loss of circulation in your payzone and other formations where clean out is essential. Clean Seal™ is greater than 97% acid soluble in either organic or mineral acids for ease of removal during to well completion stage.

Our Clean Seal™ products are a blend of Acid Soluble particles and plugging agents specifically engineered to bridge and seal permeable formations. Clean Seal™ products are effective for use in water, oil, or synthetic based drilling fluid systems. Clean Seal™ products do not affect the rheological properties of drilling fluid systems.

Clean Seal™ products are effective at both preventing loss circulation from occurring and in treating loss circulation after it has occurred. Clean Seal™ products can be used in combination with other lost circulation materials to control partial to severe losses and to increase wellbore stability.

2-10 lbs/bbl applications of Clean Seal™ products are common for providing prevention of lost circulation and larger concentrations of 5-40 lbs/bbl are common for the remediation of more severe loss of circulation.

TYPICAL PROPERTIES

Composition	: Graded Acid Soluble particles
Form	: Powder
Color	: white to Gray
pH	: 7.0-9.0
Solubility:	: soluble in acids

PACKAGING

Clean Seal™ is packaged in 40 lb. Kraft paper bags, 50 bags per pallet. Special packaging requirements will be quoted upon request.

PRECAUTIONS

See the Safety Data Sheet for more detailed information concerning storage, handling, transportation, disposal and safety requirements.