

## **Ultra Seal® XP**

### **Prevent Differential Sticking and Wellbore Stability**

**Ultra Seal® XP** is a patented blend of specific micro sized cellulose fibers, combined with a blend of organic polymers and lubricity enhancers. **Ultra Seal® XP** is compatible with both water and oil base mud systems and is coated with a mineral oil. For non-critical applications, **Ultra Seal® TG** is offered. The product has a similar particle size distribution as **Ultra Seal® XP** but is manufactured using one cellulose fiber.

**Ultra Seal® XP** is designed to aid in the control of fluid losses to the well bore, and promote the anti-friction characteristics of a drilling fluid. **Ultra Seal® XP** inhibits seepage loss to the formation, as well as restricting flow into depleted sands.

**Ultra Seal® XP** seals off low pressure zones, which in turn reduces rotary torque and drill string drag that is present in these differential pressure environments.

#### **Typical Applications of **Ultra Seal® XP** in Drilling Fluids:**

1. Seepage Control
2. Helps Prevent Differential Sticking
3. Strengthens the Well Bore
4. Stabilizes Shale
5. Improves Filter Cake Quality
6. Reduces Torque and Drag
7. Reduces HTHP Fluid Loss
8. Effective in High Temperature Environments

#### **Recommended Usage:**

Differential Sticking Prevention: For excessive torque and drag, sweeps of 8-25 lbs/bbl is recommended. For extended intervals, **Ultra Seal® XP** can be added system wide in concentrations of 4-8 lbs/bbl.

Seepage Control: Sweeps of 12.5-25 lbs/bbl is recommended.

#### **Packaging:**

**Ultra Seal® XP** is packaged in 25 lb multi ply bags with a polyethylene liner, 48 sxs per pallet.

**Ultra Seal® XP** has been used for the following applications:

1. Lost Circulation Material: Helped seal off sections of the hole that were losing partial mud returns.
2. Torque and Drag Reducer: Has reduced torque and drag in high angle holes across sand zones.
3. Sealing Depleted Sands: While drilling depleted sands and having differential sticking problems, Ultra Seal® XP and Ultra Seal® C helped seal those sands and prevent from sticking.
4. Running Casing in High Angle Holes: Ran casing after spotting Ultra Seal® XP across sand zones. Had no problems running casing in a 78-degree deviated hole and got full cement returns which had not been seen in other similar jobs.



*The Ultra Seal® products are covered by the following U.S. and corresponding foreign patents and/or other patents pending:*

**US PATENTS**

5,431,237  
5,118,664  
5,332,724  
5,363,928  
5,599,776  
4,947,935  
4,989,643  
5,377,760

**NORWAY**

**P921220**

**BRITISH**

**2,254,091**

**VENEZUELA**

**8559-POOOVE**