

NFS-BLACKSEAL®

Description

NFS-Blackseal® is a graphite based blend of several resilient materials including fibers, minerals, and polymers designed to help reduce seepage losses during the drilling of a depleted zone. **NFS-Blackseal®** is temperature stable up to 450°F and disperses in synthetic and aqueous-base fluids. This product can be mixed in all types of drilling and completion fluids. Additions of up to 30 pounds per barrel of this unique product will not increase ECD, thus helping to reduce or eliminate seepage loss.

Advantages

- ◆ Prevent and control seepage losses
- ◆ Provides lubricity
- ◆ One sack blend
- ◆ Easy mixing through the mud hopper
- ◆ Water and oil dispersible, so it can be used in a broad range of fluid applications
- ◆ Total resiliency

Benefits

- ◆ Readily dispersible, bridges quickly to prevent seepage loss
- ◆ Lowers HPHT filtrate in synthetic fluids
- ◆ Cleaner fluid returns makes solid control equipment more efficient
- ◆ Broad PSD range
- ◆ Non-damaging
- ◆ Reduces filter cake permeability

Physical Properties

- | | |
|--------------------|---------------------|
| ◆ Form | Solid fine granular |
| ◆ Color | Black |
| ◆ Specific Gravity | 1.6 |

Mixing Recommendations

Pre-treat system with 3-5lbs/bbl. If seepage loss occurs, mix 10-20 lbs/bbl of **NFS-Blackseal®** in a pill tank and sweep the hole. For seepage loss greater than 30 bbl/hr, mix 20-40 lbs/bbl of the **NFS-Blackseal®** and sweep the hole.

Packaging

- ◆ **NFS-Blackseal®** is available in 25 lb bags

Revised on 04/01/09