

# F-Seal

## Seepage Loss Additive

### Description

F-Seal, fibrous cellulosic material, is designed to effectively seal the borehole wall in sands and fractured zones. To stop the loss of drilling fluid, the voids must be plugged so a filter cake can be formed on or in the porous rock. F-Seal can be used in all types of water-based and oil-based drilling fluids. F-Seal is available in two grades: regular and coarse.

### Applications/functions

- Reduce wallcake permeability and seepage loss.
- Seal and bridge depleted sands and microfractures.

### Advantages

- Is compatible with most water-based and oil-based muds.
- Has no adverse effects on rheological and filtration control properties of drilling fluids.
- Will not plug drilling equipment.
- Is biodegradable and nontoxic.

### Typical properties

• Appearance, standard	Brown-powdered material	
• Appearance, coarse	Granular material	
• Bulk density, lb/ft <sup>3</sup>		31
• pH (1% aqueous solution)		4,9
• Sieve analysis		
	<i>Standard</i>	<i>Coarse</i>
<i>Sieve number, mesh</i>	<i>% of passing</i>	<i>% of passing</i>
5	95 min	95 min
16	85 min	60-80
20	80 min	43-63
80	41-61	7-27
200	23-43	20 max

### Recommended treatment

1. As a preventive treatment, add 2-10 lb/bbl (5.7-28.5 kg/m<sup>3</sup>).
2. As a slug treatment, add 30-50 lb/bbl (85.6-142.7 kg/m<sup>3</sup>).

Note:

Water-based fluids treated with BAROFIBRE should be supplemented with a biocide to control or eliminate potential bacterial contamination.

Treatments in excess of 20 lb/bbl (57.1 kg/m<sup>3</sup>) may cause reduction in electrical stability measurements in oil-base systems.

### Package

F Seal is packaged in 11.3 or 18.1 or 25 kg sacks.