

## Product Summary

SYN-Seal® is a single sack, chemically modified resin and cellulose fiber compound that contains no asphalt or asphalt derivatives. SYN-Seal® is effective at both low and high temperatures and has a broad application in oil and synthetic base mud systems.

## Physical Properties:

Appearance: Dark Gray Powder  
 Specific Gravity (g/mL.): 1.56  
 Odor: Slight  
 pH in 1% solution: 6-8

## Wellbore Stability Benefits:

- SYN-Seal® is compatible in all mud types.
- Reduces differential sticking tendencies in low pressure sands.
- Highly efficient at sealing micro-fractured formations while minimizing unstable wellbore situations.
- SYN-Seal® has a secondary benefit of improved emulsion stability.
- Excellent seepage and lost circulation control without damaging mud rheology.
- Mixes easily through the hopper and has minimal losses over shaker screens and solids control equipment.



## Recommended Treatment

- System Treatment: 6-10 ppb
- Sweeps: 5-10 ppb along First Response® @ 10-30 ppb
- Pill: SYN-Seal® can be run with First Response® to maximize effectiveness in zones where there are whole mud losses.

## Handling and Storage

Proper PPE should be worn while handling this product. Minimize dust exposure. Please review SDS before

## Packaging

SYN-Seal® is available in 25 lb. sacks, 50 sacks/pallet.

## SYN-Seal® PSD

U.S. Mesh Screen (Micron)	Product Retained, g
18 (1000µ)	1.0
35 (500µ)	1.0
60 (250µ)	5.0
100 (150µ)	9.2
120 (125µ)	5.0
140 (106µ)	5.0
200 (75µ)	12.0
270 (53µ)	16.0
400 (38µ)	45.0

Red, round spheres are the unique phenolic resin that form a matrix like seal with the "worm-like" cellulose fiber inside the fracture.

