

# Bore-Seal 100

## Preeminent Wellbore Strengthening Product

### DESCRIPTION

Bore-Seal 100 is a wellbore stabilizer/ lost circulation material (LCM) that creates a fast effective seal to minimize fluid and pressure invasion into the formation. BORE-SEAL 100 effectively seals a wide range of fracture sizes and creates a barrier that allows for overbalanced drilling to continue. BORE-SEAL 100 is particularly useful as a “back-ground” LCM to ensure low fluid invasion across many reservoir types.

### TYPICAL PHYSICAL PROPERTIES:

- Bulk Density Compacted (lb. / ft<sup>3</sup>): 52.2
- Bulk Density Un-Compacted (lb. / ft<sup>3</sup>): 34.6
- % Moisture: <10
- Appearance: Light Gray Powder
- Specific Gravity (g/mL): 1.60
- pH in 1% solution: 5-7

### RECOMMENDED TREATMENT:

Treatment rates are 3-5 ppb or as dictated by the fluid engineer on location per specific wellbore condition.

### HANDLING:

Available in 25 or 50 lb. sacks.

Bore-Seal 100  
Particle Size Distribution

US Mesh Screen Size (Micron)	Product Retained, g
18 (1000µ)	1.4
35 (500µ)	2.3
60 (250µ)	22.8
100 (150µ)	12.6
120 (125µ)	5.6
140 (106µ)	4.5
200 (75µ)	12.1
270 (53µ)	11.8
400 (38µ)	26.6

### DRILLING FLUID ADDITION COMPATIBILITY:

Bore-Seal 100 can be used in all drilling fluids and completion brines

### BENEFITS:

- ✓ When Bore-Seal 100 is pumped, a “stress cage” effect is developed and any differential pressure load is transferred over the wall cake on the well bore, rather than the pressure load bearing down on the fracture point itself, decreasing the probability of propagation and worsening the losses.
- ✓ BORE-SEAL 100 greatly diminishes the risk of differential sticking in highly permeable formations and is thermally stable at elevated temperatures.
- ✓ BORE-SEAL 100 is equally effective in water based, oil based, and synthetic based drilling fluid systems.
- ✓ Excellent seepage and lost circulation control without damaging mud rheology.
- ✓ Reduces torque and drag while minimizing hole washouts.
- ✓ Mixes easily through the hopper and has minimal losses over shaker screen and solids control equipment.
- ✓ BORE-SEAL 100 can be used for depleted or poorly consolidated formations, interbedded formations, and mechanically weak formations

TURBO-CHEM INTERNATIONAL, INC. +1.337.235.3098

ADDRESS: 106 W. Saul, Scott, LA 70586  
TOLL FREE: 1.800.259.7838  
TCI@TURBOCHEM.COM

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