

ENERPAC R[†]



BENEFITS

Enhances filter cake quality, lowering overall fluid loss while supplementing viscosity

Disperses rapidly

Non-fermenting; no preservative required



APPLICATIONS

0.1 - 3.0 lb/bbl for most freshwater-based fluids or 0.7 - 3.5 lb/bbl in brine-based fluids (typical)

Add through the hopper at no faster than 20 - 30 minutes per sack



PHYSICAL PROPERTIES

- Appearance: Off-white powder
- Specific Gravity: 1.5
- Temperature Stability: > 275°F
- Solubility: Water and saturated brines

ENERPAC R is a polyanionic cellulose (PAC) designed to provide fluid loss control, enhance filter cake quality, and improve wellbore stability.



In a lab test, a clay contaminated water based drilling system demonstrated extremely high API fluid loss (left). A treatment of 1.25 lb/bbl ENERPAC R dramatically reduced fluid loss (right)

TREATMENT RECOMMENDATIONS

Typical concentrations range between 0.1 to 3.5 lb/bbl for most applications; however, ENERPAC R can lose some effectiveness in high calcium and magnesium environments. Higher concentrations between 0.7 to 3.5 lb/bbl are common in brine-based fluids. ENERPAC R should be mixed through a hopper at a controlled rate no faster than 20 - 30 minutes per sack.

Pilot testing recommended to determine the appropriate concentration for a specific scenario.

PACKAGING AND HANDLING

ENERPAC R is available in 50 lb sacks. Handle ENERPAC R as an industrial chemical, wearing protective equipment and observing precautions as described in the Safety Data Sheet (SDS).



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