

AES DRILLING FLUIDS

BENEFITS

- Enhances filter cake quality, lowering overall fluid loss
- Disperses rapidly
- Non-fermenting; no preservative required

APPLICATIONS

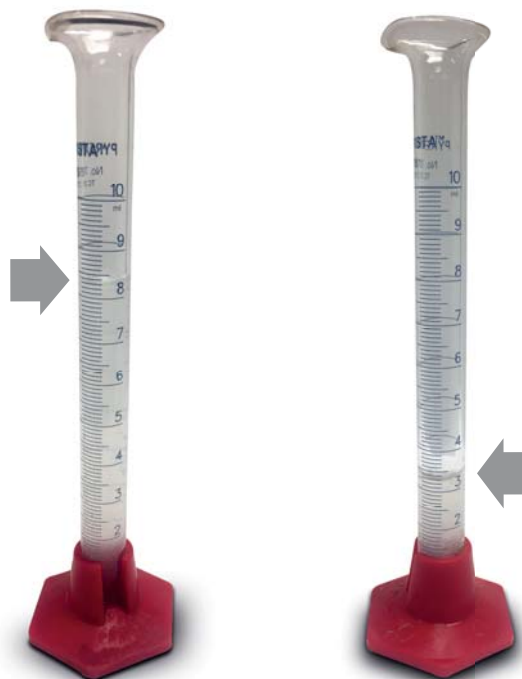
- Typically added at 0.1 - 3.0 lb/bbl for most freshwater-based fluids or 0.7 - 3.5 lb/bbl in brine-based fluids

PHYSICAL PROPERTIES

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

ENERPAC R[†]

ENERPAC R is a premium 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).

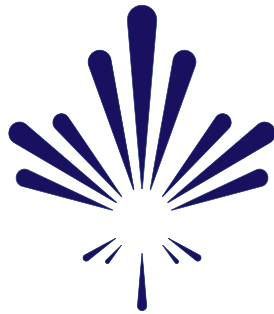
Treatment Recommendations

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).



AES DRILLING FLUIDS

www.aesfluids.com

info@aesfluids.com

888-556-4533

Revision 1.00

© 2018 AES Drilling Fluids. All rights reserved. The information provided is for informational purposes and is believed to be accurate, although this cannot be guaranteed. No guarantees or warranties are stated or implied. [†]Marks of AES Drilling Fluids, LLC.

