

PAC™-R



PAC-R additive is a modified natural cellulosic polymer and provides filtration control in most water-based drilling fluids. The product, when added to a Bentonite slurry, yields a drilling mud system suitable for drilling in sandy formations. PAC-R additive can be added to vegetable or mineral oil to provide an oil-based fluid suspension, which can be poured directly into the drill string. PAC-R additive is also used in air/gel-foam drilling.

Functions

- Provides filtration control in fresh or brackish water-based drilling fluids.
- Promotes borehole stability in water sensitive formations.
- Minimises rotational torque and circulating pressure.
- Improves hole-cleaning and core recovery.
- Stiffens foam to improve cuttings transport in air/foam drilling.
- Reduces air requirements, up hole velocity and borehole annulus pressure in air/foam drilling.
- Works as a protective colloid - protects Bentonite from contaminants in the soil & ground water.

Advantages

- Effective in fresh water, salt water and brackish water-based drilling fluids.
- Effective in small quantities for filtration control.
- Non-fermenting.
- Compatible with other Baroid drilling fluid additives.
- Resistant to harsh environments and contaminants.

Approximate amounts of PAC-R added to water-based fluids:

Fresh or salt water	4 - 7 kg/m ³
Added to Bentonite slurry	0.5 - 2 kg/m ³

