

HYPERDRILL® AF 207RD FLOCCULATION AGENT

HYPERDRILL® AF 207RD is high molecular weight, anionic polyacrylamide supplied as a dry, granular powder. When added to water-based drilling fluids, this specially processed polymer disperses rapidly, allowing hydration to occur without lumps or “fish eyes”. It is a very versatile polymer which can be used for oil, gas, water and mineral drilling. It can be added to fresh, KCl, or seawater-based drilling fluid systems.

FEATURES AND BENEFITS:

Shale Inhibitor: Can be used alone or with KCl to stabilize active shales by decreasing the shale’s tendency to adsorb water, swell and slough-off. In addition, fluid loss is often reduced when using this product.

Viscosifier: The addition of 1.5-3.0 kg/m³ is a cost-effective way to generate viscosity in fresh or low-salinity drilling fluids. Its shear-thinning capacity assures maximum power at the bit under high shear, while retaining excellent carrying capacity under low shear conditions.

Flowline Flocculant: Can also be utilized for clear water or low-solids drilling. The addition of a 0.5% solution into the flowline, or just prior to any mechanical separation equipment, will greatly enhance the removal of drilled solids.

Friction Reducer: The addition to a drilling fluid will help reduce turbulent flow, friction and power losses at points of high shear. Lower turbulent flow also helps reduce erosion and washouts of fragile geologic structures.

Foam Stabilizer: Assists in foam drilling by creating a very stable foam and thereby increasing foam life. This results in enhanced cuttings removal and reduced water requirements. The product is compatible with most common foamers.

RECOMMENDED TREATMENT:

Shale Inhibitor: Dosage rate is 1-3 kg/m³ as supplied.

PHYSICAL PROPERTIES:

Appearance:	White powder
Solubility:	Soluble
Bulk Density:	700 kg/m ³
pH:	6-8 (0.5% solution) @ 25°C

MIXING/HANDLING:

Mix *slowly* through the hopper. **Extremely slippery** when wet. Refer to the SDS for specific handling requirements.

MICROTOX® THRESHOLD: TBD

PACKAGING: 25 kg bag / 30 bags/pallet