



# IntegraGuard™ Rheo

## CEMENT SPACER SYSTEMS

### APPLICATIONS

- Primary and remedial cementing operations
- Vertical, deviated and horizontal wells

### FEATURES & BENEFITS

- Engineered viscosity for effective zonal isolation
- Effective mud removal and displacement efficiencies
- Provides proper friction pressure hierarchy
- Allows for rheological versatility for specific well conditions
- Improved fluid compatibilities
- Stable over a wide temperature range
- Easily prepared and pumped with conventional cementing equipment

### OVERVIEW

IntegraGuard Rheo spacer system effectively displaces drilling fluid in the annulus, providing optimal conditions for cement placement. This water-based spacer enhances effective mud removal by providing adequate friction pressure and improved mud/spacer/cement compatibilities to improve the cement bond. Weighted IntegraGuard Rheo spacer systems are stable over a wide temperature range, ensuring minimal weighting agent settling, even in long horizontal applications. Its rheological properties can be easily adjusted to meet the well requirements by altering polymer concentrations, ensuring ideal friction hierarchy and reducing cement channeling.

IntegraGuard Rheo spacer polymer is provided in a liquid concentrate, making it easy to prepare on the rig site. With the aid of different surfactant packages, this spacer system can be used with a wide range of non-aqueous drilling fluids.

### TYPICAL PROPERTIES

TYPICAL DENSITY RANGE	8.5 to 16.0 ppg
TYPICAL TEMPERATURE RANGE	Up to 325°F BHCT