

RAPID PLEX OS™

ORGANO CLAY ADDITIVE

GENERAL DESCRIPTION:

Rapid Plex OS™ is used to increase the viscosity and gel strengths in oil based and synthetic based systems. As a rheological additive it is designed to improve water-in-oil emulsion stability and control the stability of solids in synthetic oil based drilling fluid systems. The product is capable of suspending weighting materials and other solids with less increase in viscosity than conventional bentonite based organoclays. This allows mud systems to be formulated at lower viscosities improving rates of penetration and cuttings removal.

Applications include:

- Oil based drilling muds
- Invert emulsion muds
- Packer fluids
- Completion fluids
- Workover fluids
- Spotting fluid pills

TYPICAL PHYSICAL PROPERTIES:

Appearance	Light Tan Powder
Specific Gravity	2.0 g/cm ³
Moisture	5.5% max, as shipped

APPLICATION GUIDE:

Rapid Plex OS™ disperses readily in synthetic oils. Good shear and agitation are required to incorporate into drilling system. The amount of blending will depend on the temperature of oil, with the rate of development of suspension control increasing with temperature, as well as the level of shear available.

The use level of Rapid Plex OS™ depends on the degree of solids suspension needed. Typical Application: 2 to 10 pounds per barrel (5.7 to 28.5 kg/m³) for most applications. Mineral oils typically require more than diesel oils. The full performance effect of Rapid Plex OS™ will not be immediately apparent in the blend. After heat cycle the product develops its full performance level in suspension and emulsion stability.