CARBONOX®

Filtration Control Additive

Product Description
CARBONOX® filtration control additive is a natural occurring product that also displays dispersive / thinning characteristics in water-based drilling fluid systems. CARBONOX filtration control additive requires an alkaline environment to solubilize and function therefore should be used at pH 9.0 or above. CARBONOX filtration control additive functions well in high pH environments and is tolerant of common mud contaminants such as calcium up to 1000 ppm, making it suitable for use in lime & gypsum mud systems. CARBONOX filtration control additive can provide effective filtration control in fresh to saturated salt water systems in temperatures exceeding 400°F (204°C). CARBONOX filtration control additive is principally used to maintain combined filtration control and thinning efficiency in dispersed, high solids content drilling fluid systems. CARBONOX filtration control additive can also be used to emulsify low volumes of oil into water-based fluids systems.

Applications/Functions
» Helps reduce the viscosity and gel strengths of drilling fluids to maintain desirable flow properties
» Helps reduce high-temperature/high-pressure filtration rates
» Helps minimize the effects of contaminants on drilling fluid properties
» Helps emulsify oil into water

Advantages
» Helps maintain continued thinning efficiency and filtration control even at high bottomhole temperatures
» Is thermally stable at temperatures above 400°F (204°C)
» Helps retard solidification at high pH levels
» Is versatile and economical
» Helps form a thin, tough filter cake

Typical Properties
» Appearance: Black powder
» Specific Gravity: 1.7

Recommended Treatment
Add 2-12 lb/bbl (5.7-34.2 kg/m³) of CARBONOX filtration control additive

Note: Pre-solubilize CARBONOX filtration control additive with caustic soda (5:1) for best results.

Packaging
CARBONOX filtration control additive is packaged in 50-lb (22.7-kg) and 55.1-lb (25-kg) sacks.