

Drilling Fluids - Viscosifiers

CORE Warrior dry

Application

Core Warrior dry is a high molecular-weight dry polymer designed for cuttings encapsulation and shale stabilization. It is frequently used in core drilling applications as a general polymer product that acts as a viscosifier, friction reducer, flocculant and provides some fluid loss control. It is also formulated for easy mixing and is extremely beneficial for core drilling applications where good mixing equipment is not available.



Product Number
9410056

CORE Warrior dry is a high molecular-weight polymer designed for cuttings encapsulation and shale stabilization developed for use in low solids to weighted muds in fresh and salt make-up water.

CORE Warrior dry acts as a viscosifier, friction reducer, and flocculant.

CORE Warrior dry mixes in just minutes, with full hydration in under 5 minutes. That is compared to 20-30 minutes for standard dry polymers. CORE Warrior dry ensures the contractor has confidence his polymer fluid is ready to drill with in under 5 minutes. That means no product is wasted and no need to clean unhydrated polymer from the tank bottom.

Method of Addition

Mix CORE Warrior dry slowly into the active mud system to prevent "fish eyes" or pre-mix at higher concentrations in a separate pit or chemical barrel, then blend into the active mud system.

For sweeps, mix CORE Warrior dry directly in the active system at the suction pit or pre-mix a high concentration in a separate pit and wait for the polymer to fully yield before pumping.

Advantages

- Rapidly hydrates
- Excellent cutting encapsulation
- Enhances the removal of drill solids
- Improves shale stabilization
- Can be used in fresh to saline water

Typical Physical Properties

Physical appearance	White, granular powder
Specific gravity	1.25 – 1.40
pH (1% solution)	7.7
Activity	> 90%
Nature of charge	Anionic

Recommended Dosage: 0.75 - 1.5 litres per 1000 litres of water

Packaging and Storage

CORE Warrior dry is supplied in 5 gal/18.9 L pails.

