



730 North Anderson Road
Rock Hill, South Carolina 29730
P: 803.327.3833
F: 866.402.0133
www.AquaSolCorp.com

Aquabloc 330AW

Aquabloc 330AW is a highly cationic, specialty polysaccharide which when used as an additive in Horizontal Directional Drilling (HDD) helps to prevent the natural clays in the earth from agglomerating and causing problems during drilling.

While clays build gels and can help to clean the hole, prevent settling and help with fluid loss, Agglomeration of these clays can cause bit balling (clogging of the drilling bit) or stick to the drill pipe creating an increase of torque on the motor.

Aquabloc 330AW will allow the clays to swell but prevents them from agglomerating. The result is a viscous mud with the rheology of a latex paint which will pump and flow, cleaning the hole, with little chance of settling and balling.

Aquabloc 330AW is effective at low concentrations and 0.5-1 lb per 100 gallons is a typical usage level. Aquabloc 330AW powder can be mixed in the drilling fluid with the typical equipment used to add other powdered polymers commonly used.

Being a polymer Aquabloc 330AW will provide a little viscosity but it can be regarded as a ultra low viscosity additive and will add less viscosity than other polymers typically used for HDD.

Aquabloc 330AW can be supplied as a 25% solution in water for applications where mixing is poor.

Typical formulation for drilling clay:

Fill tank with 100 gallons of water

Turn on agitation

Add 10 lb of Bentonite (gel)

Add 1 lb PHPA

Add 1 lb Aquabloc 330AW

Note, it is important to mix in the order indicated above to achieve the best results.

Always add the Aquabloc 330AW last.

Unlike some other products used for this purpose Aquabloc 330AW does not have a strong odor and once added to the mud will contribute no significant smell.

Characteristics

- Appearance Off White Powder
- Ionic Character Cationic
- Moisture <12%
- pH 8-10
- Density 1.5

Applications

- Oil and Gas Drilling
- Horizontal drilling

Environmental

- Fully biodegradable

Packaging and Product Form

- 50 lb paper sacks
- 25lb pales