

AMC FILTRET[™]

FILTRATE CONTROL ADDITIVES



Description

AMC FILTRET[™] is a high molecular weight polymer emulsion that helps to stabilize troublesome and unstable formations. It's deformable structure physically plugs micro fractures and creates a robust flexible film or seal over the borehole wall.

Application

AMC FILTRET[™] can be utilised in conventional rotary drilling or air drilling to stabilise brittle, water-sensitive formations as well as unconsolidated gravels and sands. AMC FILTRET[™] is most effective in air drilling applications to when only minimal amounts of water are likely to be encountered.

AMC FILTRET[™] reduces the rate at which drilling fluid pressure invades the formation during drilling. It can also be used when drilling into reactive clays and shales, reducing pore pressure transmission, and improving filtrate control.

For best results in unconsolidated gravel and sands in air drilling, apply on the rod change the unconsolidated formation is encountered and do so onwards thru to when consolidated formation is encountered again. When utilised in air drilling applications it is important that it not be run thru the piston and run air on low stage, if possible, during use.

Typical Physical Properties

Appearance:	Milky light pink, viscous liquid
Solubility in water:	Miscible
Specific gravity:	1.0 – 1.2

Advantages

- Easily mixed in low shear environments
- Assists in filtrate control
- Reduces well bore pressure transmission in clays and shale
- Reduces hydraulic locking in ultramafics
- Controls irregular circulating pressures
- Improves core recovery and supports the borehole wall
- Reduces heaving and sloughing in poorly consolidated shales
- Stabilises unconsolidated formations
- Effective in fresh, hard and saline environments Compatible with all other AMC water-based products.

Recommended Treatment

AMC FILTRET[™] is added to a water-based fluid system at a rate of 10 – 50L / m³ preferably directly into the flow line or the agitator tank and not through the hopper, as excessive foaming may occur. Concentrations should be monitored and increased to control adverse conditions while drilling.

For RC applications AMC FILTRET is typically applied at a 1:3 to 1:1 ratio in water, along with the foaming agent and viscosifier of choice to achieve a stiff foam, with the ratio ultimately decided by the formations being drilled.

Please Note: Several factors will dictate the most appropriate concentration rate. Please contact your nearest AMC representative for optimum results.

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