

AMC CAP 21™

VISCOSIFIERS



Description

AMC CAP 21™ is a rapidly yielding, high molecular weight polymer in liquid form that viscosity without the problems associated with mixing powdered polymers. AMC CAP 21™ will help improve core recovery, particularly in clays and shales and highly fractured formations. It provides cuttings encapsulation as well as helping to stabilise the formation. When used in a bentonite fluid AMC CAP 21™ helps form a thin, tough filter cake that aids in controlling fluid loss.

Application

AMC CAP 21™ may be used to prepare a solids free drilling fluid system; it exerts similar properties to powder polymers such as AMC CR 650™. It can be used as a single product, low solids fluid, or it can be combined with AMC GEL™ or other polymers such as AMC PAC™ to form a more robust mud system. It can also be used with other clay and shale stabilizers such as potassium chloride or AMC SHALEHIB ULTRA™ to give a higher degree of clay or shale stabilisation, although higher concentrations may be required to maintain viscosity..

Typical Physical Properties

Appearance:	White viscous liquid
Solubility:	Dispersible in water
Specific gravity:	1.00 – 1.10

Recommended Treatment

Under normal conditions AMC CAP 21™ can be mixed at 2 – 4L / m³ (0.7 – 1.4lb / bbl) of make-up water. Concentrations should be varied to provide optimum viscosity for cuttings removal and efficient encapsulation of cuttings. 0.5 – 0.75L / m³ (0.15 – 0.3lb / bbl) can be used to reduce rod vibration and torque. When used as part of a bentonite mud or when introducing into foam 0.75 – 2.0L / m³ (0.25 – 0.7lb / bbl) can be added to the make up water.

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

Advantages

- Easily mixed in low shear environments
- Controls sticky clays and inhibits water sensitive, swelling formations
- Promotes effective settling of drilling solids in surface pits
- Reduces rod vibration and torque
- Easily broken down for the development of water wells after setting screens
- Economical to use.

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