AMC CLAY DOCTOR R™

Clay & Shale Stabilisers

Description

AMC CLAY DOCTOR R[™] is an encapsulating polymer while also providing moderate amounts of viscosity. It is ideally suited to stabilising water sensitive geologies such as clays, shales, sandy or fractured formations. This stabilisation effect impacts the formation, core and cuttings.

Application

Due to the moderate viscosity yield of AMC CLAY DOCTOR R[™], less intense mixing is required during the mixing process compared to higher viscosity polymers such as AMC CR 650[™] and the resulting fluid will more easily pass through fine shaker screens without blinding.

AMC CLAY DOCTOR R[™] is tolerant to salty make up water however, viscosity yield is impacted by hardness above 200mg / L. Soda ash can be used to reduce hardness below this level where calcium hardness is present.

AMC CLAY DOCTOR R[™] can be mixed directly into the active mud system or premixed at higher concentrations separately and slowly introduced into the active system. For best results it can be slowly introduced into mechanical agitation, through a mud hopper or a high shear mixing device.

Recommended Treatment

Typical concentrations of AMC CLAY DOCTOR R[™] range from 0.5 -3 kg/m^3 .

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

Advantages

- Enhances hole stability in water sensitive formations
- Provides excellent cuttings encapsulation
- Enhances removal of drilled solids by reducing cuttings dispersion
- Improve core recovery in water sensitive formations
- Lower screen blinding compared to higher viscosity polymers
- Easily added to the active system

Typical Physical Properties

Appearance:

White to off white granular solid

Solubility in water:

Soluble

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