

# AMC CLAY DOCTOR R™

## CLAY & SHALE STABILISERS



### Description

AMC CLAY DOCTOR R™ is an encapsulating polymer that stabilizes clays and shales without substantially increasing viscosity. It provides excellent cuttings encapsulation and prevents cuttings from sticking together or dispersing into the mud system.

### Application

Due to the moderate molecular weight of AMC CLAY DOCTOR R™ less shear is required during the mixing process compared to high molecular weight polymers and the resulting fluid will more easily pass through fine shaker screens without blinding.

AMC CLAY DOCTOR R™ is tolerant to saline environments however to achieve maximum potential from the product the total hardness should be maintained below 400mg / L and a pH range of 8.5 – 9.5.

AMC CLAY DOCTOR R™ can be mixed directly into the active mud system or premixed at higher concentrations separately and bled 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.

### Typical Physical Properties

**Appearance:** White to off white granular solid  
**Solubility in water:** Soluble

### Recommended Treatment

Typical concentration of AMC CLAY DOCTOR R™ ranges from 0.5 – 3 kg/m<sup>3</sup> (0.2 – 1.0 lb/bbl)

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

### Advantages

- Provides excellent cuttings encapsulation
- Enhances removal of drilled solids by reducing cuttings dispersion
- Enhances hole stability
- Provides less viscosity and lower screen blinding compared to high molecular weight polymers
- Easily added to the active system

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