

AMC COREWELL™

CLAY & SHALE STABILISERS



Description

AMC COREWELL™ is a sophisticated, multifunctional single sack system created especially for diamond coring and slim-hole drilling activities. AMC COREWELL™ provides superior core protection and side wall stabilisation. AMC COREWELL™ helps secure a native state, preserved sample allowing for more reliable core analysis data which ultimately leads to more accurate resource evaluations. AMC COREWELL™ employs physical mechanisms that entrap unconsolidated soils and cuttings to prevent dispersion.

Application

AMC COREWELL™ produces a fluid system designed to protect exposed formation, imparting sample integrity and maximising recovery. AMC COREWELL™ is an easy-to-use, readily dispersible product that, unlike many other fluid systems, does not require additional components to enhance properties. AMC COREWELL™ forms a micro-network structure similar to a three dimensional web that layers out over the exposed formations effectively encapsulating clay and shale surfaces to support and protect.

The unique chemistry of AMC COREWELL™ ensures an immaculate sample is recovered. The concentration required to achieve the desired viscosity will increase slightly when used in systems containing inhibitive salts however the encapsulating power of AMC COREWELL™ will remain unaffected.

Typical Physical Properties

Appearance:	Granular, off white crystals
Odour:	None
Solubility:	Soluble, but limited by viscosity
pH (0.2 % sol.):	8.0 – 9.0

Advantages

- Economical
- Single component multifunctional system
- Compatible with slim hole drilling
- Enhances hole stability
- Maintains sample integrity
- Controls dispersion
- Improves solids separation on surface
- Readily disperses in low shear environments
- Environmentally acceptable.

Recommended Treatment

Prior to adding AMC COREWELL™ pre-treatment to the mix, water is recommended; adjust pH to 8.5 – 9.5 and ensure total hardness levels are below 400mg / L.

AMC COREWELL™ is added slowly at concentrations of 1.5 – 3kg / m³, (0.5 – 1.05lb / bbl) to water and allowed to mix for 20 – 30 minutes to achieve complete dispersion. An additional 30 minutes of hydration may be required for maximum yield. Viscosity of the product will vary according to the concentrations used therefore pilot testing is recommended prior to use.

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

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