

AMC BORE HOLE STABILISER™

SPECIALTY PRODUCTS & CHEMICALS



Description

AMC BORE HOLE STABILISER™ is a multifunctional product formulated specifically for air drilling applications including "Drill & Blast". It helps prevent a wide range of down-hole problems including poor collaring, hole decay or sidewall instability. AMC BORE HOLE STABILISER™ also provides a degree of lubrication to the hole and will improve the lifting capacity of the air stream for cuttings transportation.

AMC BORE HOLE STABILISER™ has a unique formulation that enables it to penetrate deep into the surrounding strata where it will bond friable, fragmented materials, significantly reducing the need for excess conditioning, expensive re-drills or casing.

Application

AMC BORE HOLE STABILISER™ can be administered as a dilution or injected neat. It is recommended that treatment be localised to the area of concern and as the hole advances remedial dosage be performed every 2 – 3 connections or as required. Depending on conditions and the volume of air being circulated the solution will require time to penetrate the strata and to aggregate and deposit fines so the bonding and stabilising effect is maximised. While injecting, the drill pipe should be rotated and moved back and forth using moderate speed. System viscosity and injection rates will depend on available equipment and be dictated by the formations being drilled.

Typical Physical Properties

Appearance:	Viscous white liquid
pH (1% in solution):	7 - 9
Specific gravity:	0.90 – 1.10

Advantages

- Reduces the need for re-drills
- Reduces the need to install casing to support unconsolidated sections
- Reduces overall expenditure on drilling consumables, fuel, labour and driller time
- Provides exceptional hole stability
- Produces a cleaner hole with fewer disturbances to the side wall structure
- Improves the lifting capacity of the circulating air
- Helps prevent bit balling and collaring
- Improves down-hole equipment life
- Easy application.

Recommended Treatment

AMC BORE HOLE STABILISER™ should be pre-mixed at a rate of 0.5 – 2% by volume and applied while drilling. Concentration will be determined by the mixing equipment available on site and the desired viscosity.

Depending upon the quality of the mix water, pre-treatment with a conditioning agent such as AMC SODA ASH™ may be required. When preparing AMC BORE HOLE STABILISER™ as a dilution adequate shear or mixing is required for best results.

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

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