

AMC BORE SEAL™

Lost Circulation Materials



Description

BORE SEAL™ is used to improve borehole stability and core recovery by improving fluid loss control, seepage loss and other fluid loss control situations in highly porous and fractured formations. It is available in three grades – (F)ine, (M)edium and (C)oarse. BORE SEAL™ F fibers will matrix within the wall cake to form an impermeable thin skin on the filter bed resulting in minimal fluid invasion into formation. AMC BORE SEAL™ M & C can be used as loss circulation additives when more severe losses are encountered.

Application

BORE SEAL™ is added to the active system. BORE SEAL™ F is ideal for stabilizing formations such as micro-fractured shale, coal, unconsolidated sand and limestone. The medium grade is most effective in sealing medium to fine fractures and porous zones and can be used with most bits. BORE SEAL™ C seals large fractures and highly permeable formations and pumps easily through large jets or open pipe. BORE SEAL™ does not easily disperse into water. Good agitation at the point of mixing is recommended. Alternatively BORE SEAL™ can be premixed into a lubricant such as TORQUE GUARD™ to allow for easier addition.

BORE SEAL™ F is suitable for use in active systems where shaker screens are in use. The Medium and Coarse grades contain larger sized material that may screen off on shaker screens if excess material returns to surface.

Recommended Treatment

BORE SEAL™ F is used from 5 – 15 kg / m³ depending on the nature of the mud system and formation being drilled.

Medium and Coarse grades are typically applied as a concentrated pill ranging from 40 – 115kg/m³ depending on the severity of the losses and the pumping equipment available.

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

Advantages

- Controls seepage loss
- Stabilises unconsolidated sand and other highly porous or fractured formations
- Improves core recovery in poorly consolidated formations
- Helps prevent stuck pipe
- Environmentally acceptable

Typical Physical Properties

| | |
|----------------------|---------------------------|
| Appearance: | Light tan to brown powder |
| Solubility in water: | Insoluble |
| pH (3% solution): | 6.5 - 7.5 |

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