



AES DRILLING FLUIDS

www.aesfluids.com

© 2024 AES Drilling Fluids. All rights reserved. The information provided is for informational purposes and is believed to be accurate, although this cannot be guaranteed. No guarantees or warranties are stated or implied. [†]Marks of AES Drilling Fluids, LLC.

Revision 1.01

MICRO STRENGTH[†]

SPECIAL SUB-MICRON MATERIAL

BENEFITS

- Seals and strengthens the wellbore, covering fractures up to ~250 microns.
- Superior compressive strength allows material to seal and support openings as it enters a fracture, effectively strengthening the wellbore.
- Sub-micron material improves sealing and packing in microfractures, tightening fluid loss.

APPLICATIONS

- 5 lb/bbl as background material in circulating system - increased concentrations can be used depending on loss scenario.
- Effective in oil / synthetic-based or water-based drilling fluid systems.
- Performs in combination with other lost circulation materials.

PROPERTIES

- Appearance: Dark tan powder
- Specific Gravity: 1.4 - 1.5

TREATMENT RECOMMENDATIONS

Treatment requirements will vary by loss scenarios. An initial background treatment of 5 lb/bbl of MICRO STRENGTH is recommended for wellbore strengthening and to control seepage or partial losses. For more challenging scenarios, increase the concentration up to 10 lb/bbl, or as needed. Larger fractures may require supplemental material to increase the overall particle size distribution.

As with any lost circulation material, confirm that surface and downhole equipment will tolerate the distribution and concentration of particles present to prior use.

Particle Size Distribution
(typical, microns)

D ₁₀	16.8
D ₅₀	81.9
D ₉₀	362

PACKAGING AND HANDLING

MICRO STRENGTH is available in 25 lb sacks. Handle MICRO STRENGTH as an industrial chemical, wearing protective equipment and observing precautions as described in the Safety Data Sheet (SDS).



MICRO STRENGTH
Wellbore
Strengthening
Material.

