

MICRO STRENGTH[†]



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



PHYSICAL PROPERTIES

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

MICRO STRENGTH is designed to seal loss zones and strengthen the wellbore. MICRO STRENGTH includes a special, sub-micron material to improve sealing and packing in microfractures, reducing fluid loss.



MICRO STRENGTH Wellbore Strengthening Material

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 prior to 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).



AES DRILLING FLUIDS

www.aesfluids.com

☎ Phone : 281 556 5628

✉ Email : info@aesfluids.com

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