

MC POWERSEAL[†]

OPTIMIZED BLEND OF GRANULAR AND FIBROUS LOST CIRCULATION MATERIALS

BENEFITS

- Seals a wide range of pores and fractures up to 2500 microns.
- Performs in any drilling fluid system.
- Prevents or remediates seepage to moderate downhole fluid losses.

APPLICATIONS

- 5 - 10 lb/bbl (typical) for porous formations and 20 - 40 lb/bbl for fractures greater than 1000 microns (typical).
- Pilot testing will aid to determine the appropriate concentration for a specific scenario.

PROPERTIES

- Appearance: Gray powder
- Specific Gravity: 1.4 - 1.6

TREATMENT RECOMMENDATIONS

MC POWERSEAL is a composite blend of materials added to the drilling fluid system to prevent or remediate lost circulation by quickly sealing a wide range of fractures. This engineered, proprietary blend includes elevated compressive strength materials to withstand wellbore pressures.

Users can control seepage to moderate fluid loss rates with MC POWERSEAL as an effective continuous or spotting treatment in unconsolidated sand, gravel, and small to medium-sized natural or induced fractures up to 2500 microns. MC POWERSEAL can be used in larger sized fractures, but may require larger concentrations and/or supplemental materials. Lab testing can aid to optimize the necessary concentration for a specific scenario.

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

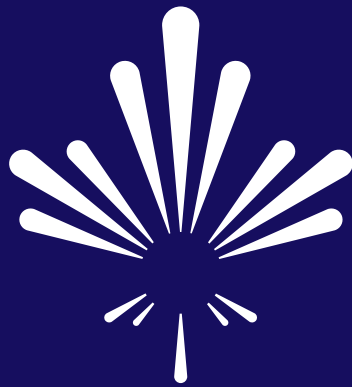
Particle Size Distribution
(typical, microns)

D ₁₀	78
D ₅₀	367
D ₉₀	1943

PACKAGING AND HANDLING

MC POWERSEAL is available in 40 lb sacks. Handle MC POWERSEAL as an industrial chemical, wearing protective equipment and observing precautions as described in the Safety Data Sheet (SDS).





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