

PERMASEAL[†]



BENEFITS

Seals lost circulation zones with minimal filter cake buildup

Does not alter fluid properties (inert solid)



APPLICATIONS

10 - 50 lb/bbl for sweeps or 3 - 7 lb/bbl for seepage loss control (typical)

Bactericide not required



PHYSICAL PROPERTIES

- Appearance: Black powder
- Specific Gravity: 1.9 - 2.1

PERMASEAL is a proprietary blend of graphitic and mineral fiber materials designed to rapidly bridge and seal lost circulation zones in both water- and oil-based fluids.



PERMASEAL lost circulation additive

TREATMENT RECOMMENDATIONS

Lost circulation treatments vary by severity. When used in sweeps, typical concentrations range from 10 to 50 lb/bbl. As part of the active system, concentrations usually range from 3 to 7 lb/bbl.

PERMASEAL is compatible with water- and oil-based drilling fluids and works well in combination with other lost circulation material.

Particle Size Distribution
(typical, microns)

D ₁₀	45
D ₅₀	300
D ₉₀	1700

PACKAGING AND HANDLING

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



AES DRILLING FLUIDS

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