

# ECM 1<sup>†</sup>

OPTIMIZED BLEND OF FINE AND MEDIUM-SIZED NATURAL MATERIALS

## BENEFITS

- Optimized blend of fine and medium-sized natural materials, fibers, and cellulose to treat a broad set of loss scenarios.
- Complements ECM 2 particle size distribution to minimize products on location.

## APPLICATIONS

- 5 - 10 lb/bbl of ECM 1 and ECM 2 for background treatments and seepage/partial loss control.
- 15 - 30+ lb/bbl ECM 1 and ECM 2 for pill treatments.
- Performs in combination with other lost circulation materials.

## PROPERTIES

- Appearance: Gray powder
- Specific Gravity: 1.51

## TREATMENT RECOMMENDATIONS

Treatment requirements will vary by loss scenarios. A combined 5 - 10 lb/bbl of ECM 1 and ECM 2 aid as a background treatment for loss prevention and to control seepage or partial losses.

As a lost circulation pill, apply 15 - 30+ lb/bbl of ECM 1 and ECM 2. Increase concentrations as needed. ECM 1 and ECM 2 can be combined with ENERLOC<sup>†</sup> to seal even larger fractures, if necessary.

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 <sub>10</sub>	4
D <sub>50</sub>	40
D <sub>90</sub>	370

## PACKAGING AND HANDLING

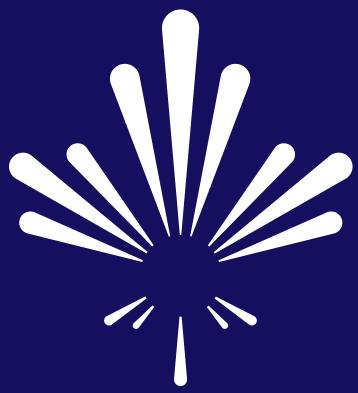
ECM 1 is available in 40 lb sacks. Handle ECM 1 as an industrial chemical, wearing protective equipment and observing precautions as described in the Safety Data Sheet (SDS).



ECM 1 provides the fine to medium components of the complementary ECM 1 and ECM 2 products.



AES DRILLING FLUIDS



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