

POL-E-FLAKE

LOST CIRCULATION MATERIAL

POL-E-FLAKE is a lost circulation product made from polyester film. POL-E-FLAKE is primarily used as a lost circulation additive for drilling fluid and cementing applications. POL-E-FLAKE is typically mixed with other lost circulation material (LCM) such as sawdust.

FEATURES AND BENEFITS:

- Effective flake material for use as LCM.
- Usually used in conjunction with other LCM to assist in sealing and controlling losses of water-based drilling fluids.
- Used as an additive to cement slurries. Its function in this environment is to provide a matting effect on the wellbore to prevent seepage and whole losses.
- POL-E-FLAKE sizes range from 6.4 mm – 9.5 mm ($\frac{1}{4}$ " - $\frac{3}{8}$ ").

RECOMMENDED TREATMENT:

Drilling Fluid: 5 - 18 kg/m³ recommended when used in conjunction with other LCM's.
A common ratio of POL-E-FLAKE usage is 1 bag to 5 bags of LCM such as Kwik Seal.

Cement: 1 – 2% by cement weight.

PHYSICAL PROPERTIES:

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|-------------------|------------------------------|
| Appearance: | Colourless flakes; odourless |
| Specific Gravity: | 1.44 |
| Solubility: | Insoluble |
| Toxicity: | Non-toxic |

MIXING/HANDLING:

Mix directly through the mud hopper or into the mud from surface of the mud tank while the viscous fluid is being agitated aggressively. POL-E-FLAKE will cause the shaker screens to blind when circulating. If the concentration needs to remain in the fluid, the shaker screens will need to be by-passed to ensure the product is retained in the active system. When using POL-E-FLAKE during cementing operations, add directly into the cement slurry in the mixing tubs prior to pumping cement. Refer to the SDS for specific precautions and handling requirements.

MICROTOX® THRESHOLD: TBD

PACKAGING: 11.34 kg bag / 75 bags/pallet