

D255

Solid FLAC cement fluid-loss additive

APPLICATIONS

- Fluid-loss control during cementing

BENEFITS

- Improved zonal isolation
- Cost-effective solution
- Rig-time savings due to simplified slurry design
- Less time spent waiting on cement to set
- Prevention of low-severity gas migration
- Suitable for a wide range of slurry densities

FEATURES

- Low sensitivity to cement brands, temperatures, and concentration
- Synergy with Schlumberger retarders
- Low concentration requirements
- Excellent slurry rheology

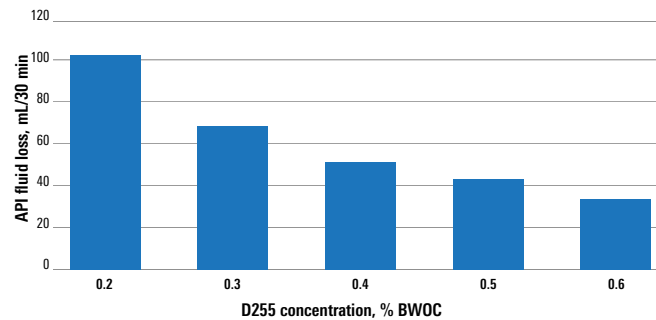
Inadequate fluid-loss control can lead to serious issues during cementing. D255 solid FLAC* cement fluid-loss additive is a cost-effective solution for fluid-loss control during any cementing operation. It also controls low-severity gas migration.

Early development of compressive strength reduces the time spent waiting on cement. In addition, D255 reduces the retarder concentration required to achieve a given thickening time.

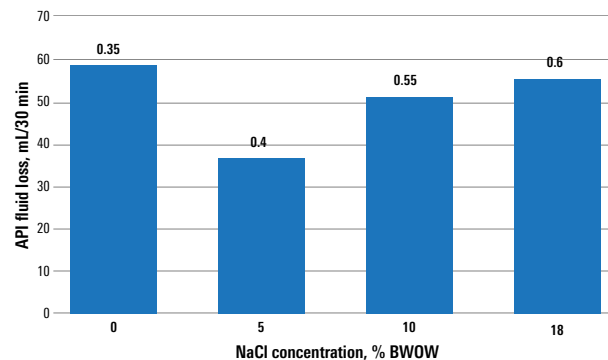
Robust formulation

This customized solid polymer can be predissolved in the mix water or dry blended with the cement. Its robust properties simplify slurry design and produce predictable results in the well, from the surface casing to the liner.

Test results demonstrate the very low sensitivity of D255 additive to small variations in temperature or concentration. Moreover, it is compatible with all cement brands at bottomhole circulating temperatures (BHCTs) within its operating range.



Fluid loss reduces with increasing D255 concentration, expressed here as a percentage by weight of cement (% BWOC). Acceptable performance is maintained with up to 20% deviation from the optimal concentration.



The D255 concentration (shown in % BWOC) required to reach an approximate API fluid loss of 50 mL/30 min varies with the mix-water salinity, expressed here as a percentage by weight of water (% BWOW).

D255 Additive Specifications

| | |
|-----------------------|---|
| Cement slurry density | 8.0–21.0 lbm/galUS [0.96–2.52 relative density] |
| Operating temperature | 80–350 degF [27–177 degC] |
| Mix water | Fresh to salt saturated |
| Typical concentration | 0.1% to 0.8% BWOC |