

## PRODUCT DATA SHEET

**G307A Early Strength and Anti leaking Fluid Loss Control****Additive for Oil Well Cementing****Product Description**

G307A Early Strength and Anti leaking Fluid Loss Control Additive for Oil Well Cement belongs to Water-soluble high polymer. Molecular chains get together in the cement slurry, thus to reduce the penetration ratio of slurry cake. In addition, drawing a variety of functional groups into the polymer will enhance the product's dissolution rate and the performance of anti-high-temperature and anti-salt at a low temperature in the cement slurry.

**Characteristics**

- G307A mainly consists of water-dissolved macromolecules, complex with inorganic early strength agent components and other Crystal expandable materials.
- Normal dosage: 2.0%-3.5% (BWOC).
- G307A can effectively enhance the early strength of cement stone.
- It has the micro-expansion effect, and can effectively compensate for pressure loss caused by the hydration volume reduction, thus effectively preventing the gas-water leaking in the stratum.
- Applicable temperature:30°C-90°C(BHCT).
- Combined with retarder, can be used in middle-deep wells.
- Preferred to mix without water.

**Technical Specification**

Appearance	Floating powder or particles
Water content, %	≤8.0
Fineness (0.315 mesh), %	≤15.0
Initial consistency. Bc/80°C.4.6MPa.45min	≤30.0
Mutation value of thickening liner,Bc	≤10.0
40Bc~100Bc, min	≤40.0
Fluid loss, ml/80°C. 6.9MPa.30min	≤150.0
Free fluid,%(80°C)	≤1.4
Compression strength, MPa/102°C,21MPa,24h	≥14.0

The ingredient of the cement slurry in the table is: G class cement, W/C: 0.44; Dosage of G307A:3.0 % (BWOC), Water quality: distilled water.

**Packing, Storage**

- Be sacked with three three-layer plastics bag, 25kg per bag.
- Be kept away from moisture and damaged condition of package during transportation, stored in cool and dry place.
- Storage life time is two years.

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