

PRODUCT DATA SHEET

G309 Fluid Loss Control Additive for Oil Well Cementing**Product Description**

G309 can control fluid loss and expansion through forming a tight film that depends on the crystal expansion of hydratable substance.

Characteristics

- Appearance: white powder or particles.
- Normal dosage: 0.8%~2.0%(BWOC) for normal density cement slurry, and 1.0%~3.0 % (BWOC)for low density cement slurry.
- Applicable temperature:30°C~120°C(BHCT).
- Little fluid loss, high early strength, free fluid closes to zero.
- Tiny expansion, the cement can engender effective expansion while it is in plastic phase or has been hardened. It can be used to as gas locked agent, enhance the strength of cement and cementation, densify the structure of cement.
- Good rheology of cement slurry, adjustable thickening time, thickening curve 40Bc~70Bc, short transition thickening time.
- Mixed without water with cement equably.

Technical Specification

Appearance	white powder or particles
Water content, %	≤10.0
Fineness (0.315 mesh), %	≤15.0
Initial consistency. Bc/80°C. 46.5MPa.45min	≤30.0
Mutation value of thickening liner,Bc	≤10.0
40Bc~100Bc, time, 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 G309: 1.2% (BWOC), Water quality: distilled water.

Packing, Storage

- Be sacked with three layer package, 25kg per bag.
- Be kept away from moisture, stored in cool and dry situation.
- Storage life time is two years.

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