

PRODUCT DATA SHEET

G204 Early Strength Additive for Oil Well Cementing**Product Description**

G204 can stabilize and strengthen low density cement slurry through bridging and changing concentration of ion in cement slurry.

Characteristics

- Mainly composed of inorganic early-strength materials.
- No-toxic, odorless.
- Normal dosage: 1.0%~5.0% (BWOC).
- Suitable temperature: 30℃~90℃(BHCT).
- Can decrease free fluid and volume contraction in low density cement slurry, stabilize and enhance the strength.
- Obvious effects of early strength. The strength of cement is more than 6MPa after 24 hours.
- Can be used in ultra low density cement slurry systems ($1.65\pm0.01\text{g/cm}^3$).
- Suitable for low density cement slurry of fly ash, normal oil well cement, and low density cement slurry of glass micro-spheres.
- It can also play a better early strength effect in conventional specific gravity cement slurry.
- Mixed without water.

Technical Specification

Appearance	powder
Fineness (0.315mm sieve), %	≤ 15.0
Water content, %	≤ 8.0
Initial consistency, Bc	≤ 30.0
Thickening time, min/50℃, 25.9MPa, 32min	$\leq$ Original cement slurry
Compression strength , MPa/50℃, Ordinary pressure, 24h	> 6.0
Compression strength , MPa/50℃, Ordinary pressure, 48h	> 8.0

Test conditions: G class cement:floating beads: micro-spheres=100:10:5, W/C (water to cement): 0.70, Dosage of G204:2.0% (BWOC), Water quality: distilled water.

Packing, Storage

- Be packed with three-layer plastics bag, 25kg per bag.
- Be kept away from moisture in store and transportation.
- Storage life time is two years.