

PRODUCT DATA SHEET

G201 Accelerator for Oil Well Cementing**Product Description**

G201 accelerates the hydration of C3S in cement and alters the pH of the water phase to accelerate cement solidification and enhance early strength development.

Characteristics

- Composed of organic amine and inorganic early-strength materials.
- Typical dosage: 1.0% to 4.0% (BWOC).
- Significantly increases the early strength of cement stone without adverse effects on later strength development.
- Suitable for oil and gas wells with temperatures ranging from 30°C to 90°C (BHCT).
- Effectively shortens the thickening time of cement slurry and enhances early strength of cement stone.
- Cement slurry with G201 exhibits slight thixotropic properties.

Technical Specification

Appearance	Free-flowing powder or granules
Fineness (0.315mm sieve), %	≤15.0
Water Content %, Free Fluid (ml)	≤8.0 ≤3.5
Initial Consistency, Bc	≤30.0
Thickening Time (min) (55°C, 27 MPa, 20 min)	≤100.0
Compressive Strength (MPa) (60°C, normal pressure, 8h)	≥11.0

The ingredients for the cement slurry are as follows: JiaHua G-class high-resistance oil-well cement: 792g ± 0.5g, Water: 349g ± 0.5g, Early strength agent G201: 1.0% (BWOC), Water-to-cement ratio: 0.44, Water quality: Distilled water or potable water.

Packing and Storage

- Packaged in composite paper bags, 25kg per bag.
- Store in a well-ventilated, dry, and clean warehouse. During transportation, avoid exposure to harmful substances, and protect from sunlight and rain. The product should be covered during transportation.
- Shelf life: 2 years.

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