

PRODUCT DATA SHEET

G203A Early Strength Additive for Oil Well Cementing**Product Description**

By changing the structure of C-S-H, G203A can transform the composition of water phase ion, thus to reach the goal of accelerating cement hydration and enhancing early strength of cement stones.

Characteristics

- G203A is made from inorganic materials.
- Normal dosage: 1.0%~4.0% (BWOC).
- Increase early strength of cement stones efficiently and has no harmful influence on later strength increasing.
- Suitable for oil/gas wells whose temperature is between 30°C~90°C (BHCT).
- Shorten the thickening time of cement slurry effectively and enhance the early strength of cement stone.
- It makes cement slurry with a slight thixotropy when mixed with G203A.

Technical Specification

| Items | Specification |
|--|---------------------|
| Appearance | Free flowing powder |
| Fineness (0.315mm sieve),% | ≤15.0 |
| Thickening time ratio/32°C,8.3MPa,17min | ≤0.5 |
| Initial consistency, Bc/32°C,8.3MPa,17min | ≤30.0 |
| Compression strength, MPa/39°C,normal pressure,6h | ≥4.0 |
| Compression strength ratio, MPa/39°C,normal pressure,24h | ≥1.0 |

Note 1: The thickening time ratio refers to the thickening time of cement slurry with early strength agent and the thickening time of pure cement slurry.

Note 2: Compression strength ratio refers to the compression strength of cement with early strength agent and the ratio of compression strength of pure cement slurry.

Note 3: Content in brackets is test conditions.

The ingredient of normal cement slurry in the table is: G class cement, W/C: 0.44; Water quality: distilled water, Dosage of G203A: 2.0% (BWOC).

Packing, Storage

- Be packed with three-layer plastic bags, 25kg per bag.
- Be kept away from moisture in transportation. If moistened, the additive dosage should be increased. It should be mixed with water when it is used. The worker should wear protective stuff to avoid contacting with skin while operating.
- The Storage life time is two years.

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