

PRODUCT DATA SHEET

G203 Early Strength Additive for Oil Well Cementing**Product Description**

By changing the structure of C-S-H, G203 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

- G203 is made from inorganic materials.
- Appearance: white powder.
- 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 G203.

Technical Specification

Appearance	White powder
Fineness (0.315 mesh), %	≤15.0
The ratio of thickening time, (32°C. 8.3MPa)	≤0.5
Initial consistency (32°C. 8.3MPa), Bc	≤30.0
6h, Compression strength, (39°C normal pressure), MPa	≥4.0
The ratio of 24h (39°C normal pressure), MPa	≥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.

Low-density slurry formulation: G class cement, W/C:0.44; Water quality: distilled water, G203:2.0% (BWOS).

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.

