

PRODUCT DATA SHEET

GH-8 High Temperature Retarder for Oil Well Cementing**Product Description**

GH-8 can stick on the surfaces of cement hydrate to inhibit contacting between cement and water, also stick on the surfaces of crystal nucleons to prevent their enlarging. So it can retard hydrating of cement slurry.

Characteristics

- GH-8 consists of various kinds of compounds, such as gluconate and low molecular weight organic acids.
- Non-poisonous, non-odor, and non-corrosivity.
- Normal dosage: 0.5%~2.0% (BWOS). The amount can be appropriately increase with the increase of temperature
- It can reduce the consistency of cement slurry and improve the rheology.
- Retard the thickening time efficiently.
- Generally used in oil wells whose circulate temperature under bore is between 110°C~160°C.

Technical Specification

Items	Specification	
	Solid	Liquid
Appearance	White powder	Dark brown
Thickening time	Adjustable	
Initial consistency , Bc/120°C,73.9MPa,61min	≤30.0	
Thickening time,min/120°C,73.9MPa,61min	≥120.0	
Mutation value of thickening curve,Bc	≤10.0	
Thickening time extension value, min	≥60.0	
Sensitivity of increase,%	≤25.0	
Sensitivity of temperature,%	≤20.0	
Transition time,min/120°C.73.9MPa.61min	≤40.0	
Free liquid(93 °C),%	≤1.4	
Compression strength, MPa/144°C,21MPa,48h	≥14.0	

Packing, Storage

- The solid be sacked with three-layer plastics bag, 25kg per bag, the liquid be stored in plastic barrel, 25 Kg per barrel.
- Be kept away from moisture and possible damage of the packages in transportation, be stored in cool and dry situation.
- Storage life time of solid product is two years, storage life time of liquid product is one year.

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