



**XINXIANG KOLANKY**

The leader of oilfield drilling  
and cementing chemicals

## High Temperature Cement Retarder KOL RTD-HL (Liquid)

### PROPERTY

KOL RTD-HL Composed of sulfonic acid salts and organic acids such as polymerization, double carboxylic acid groups and sulfonate groups and tricalcium aluminate and silicate calcium response, through the adsorption, chelation, wetting and dispersing effect, at the beginning of the cement hydration by dispersed cement particle diffusion electric double layer, on the surface of cement particles and the calcium ion solvation membrane formation, priority adsorption on tricalcium aluminate slows down the hydration, showed a strong retarding action, whereas the tricalcium silicate showed weak adsorption performance, thus guarantees the later development of cement strength.

### BASIC DATA

Appearance	Specific gravity	Dosage	Operation temperature
Colorless or pale red fluid	1.2g/cm <sup>3</sup>	0.3%~2.5% (BWOC)	60℃~180℃ (BHCT)

### TECHNICAL DATA

Items	Specification	Cement slurry formulations
Initial consistency, Bc/120℃, 73.9MPa. 61min	≤30	Class G cement 208g + distilled water 333ml. Dosage of RTD HL: 0.8~2.5% (BWOC) +FILHL 5% (BWOC) +AGM1.5% (BWOC)
Adjustable thickening time, adjust-ability 120℃, 73.9MPa. 61min	adjustable	
Compression strength, Mpa/144℃. 21Mpa. 48h	≥14	
40Bc-100Bc Transient time, min	≤40	
Free fluid, %	≤1.4	

### FEATURE

It's used in middle and deep well, can effectively extend the thickening time, increase the pump time. To formulate the right Angle thickening slurry system

It has strong dispersion performance, if the water mud sedimentation phenomenon, can add right amount FIL 35 (oil well cement water loss).

### PACKAGE & STORAGE

Be sacked 25Kg/barrel. Be kept away from moisture, stored in cool and dry situation, and storage life is half one year.

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