High Temperature Cement Retarder KOL RTD H CEM

PROPERTY

KOL-RTD H CEM is double carboxylic acid group and sulfonate group reacted with tricalcium aluminate and silicate tricalcium. Through adsorption, chelation, wetting and dispersing, etc. adsorption, chelation, dispersing and wetting role in the early cement hydration electric double layer by diffusion dispersing cement particles in the cement particle surface with calcium ions to form solvated film preferentially adsorbed on tricalcium aluminate slowing the hydration performance of a strong retarding effect, while the performance of the tricalcium silicate weak adsorption properties, thus ensuring the latter part of cement strength development.

BASIC DATA

Appearance	Specific gravity	Dosage	Screenings	Applicable temperature
White granular	1.2g/cm^3	0.3%～2.5% (BWOC)	≤15.0 (residue on 0.315mm sieve),%	60~180℃ （BHCT）

TECHNICAL DATA

Items	Specification	Cement slurry formulations
Moisture content， %	≤8.0	class G cement 594g+208g Light Weight Additive+333g distilled water .Dosage of RTD H CEM 0.9% (BWOC)+1.2%AGM(BWOC)
Initial consistency，Bc 120℃. 73.9Mpa. 61min	≤30	
Thickening time adjust-ability	Adjustable	
40Bc-100Bc Transient time，min	≤40	
Free fluid，%	≤2.5	
Compression strength, Mpa/144℃. 21Mpa. 48h	≥14	

FEATURE

Used in middle-deep well and deep well, Retard the thickening time efficiently.
Increase the pump ability time. Have a strong dispersing performance.

PACKAGE & STORAGE

Be sacked with three packages, 25kg/sack.
Be kept away from moisture and possible damage of the packages in transportation.
Storage life is two years.

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