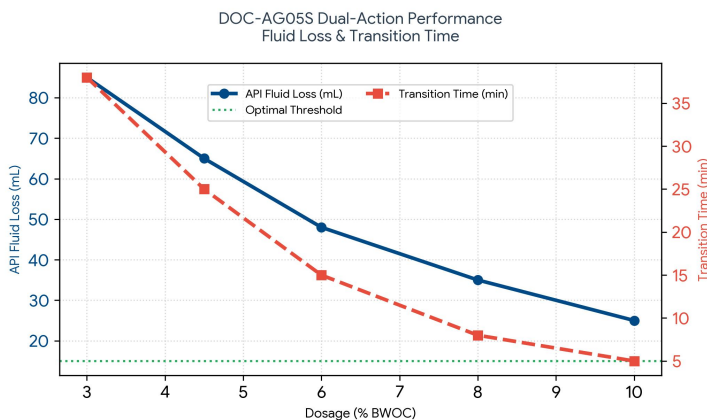


DOC-AG05S Cementing Anti-Gas Migration Agent (Latex)

High-Performance Acrylic Acid Vinyl Acetate Copolymer

1. Performance Highlight (Transition Time & Fluid Loss)

DOC-AG05S delivers exceptional anti-gas channeling capabilities by rapidly shortening the slurry's transition time (40-100 Bc) while providing auxiliary fluid loss reduction. The dual-action relationship between dosage, fluid loss, and transition time is demonstrated below:



2. Features & Benefits

- **Superior Anti-Channeling Performance:** Provides a remarkably short thickening transition time, approaching 'right-angle' thickening, which perfectly prevents gas migration.
- **Excellent Salt Resistance:** Exhibits robust salinity tolerance, making it fully applicable in brine cement slurry systems.
- **Auxiliary Fluid Loss Reduction:** Functionally reduces mud filtration, allowing for a significant reduction in the required amount of primary fluid loss reducing agents.
- **High Slurry Stability:** Enhances the stability of the cement slurry system, making it highly resistant to demulsification (breaking milk) with free liquid remaining close to zero.

- **Ultra-High Temperature Tolerance:** Applicable for cementing operations in extreme high-temperature environments up to 240°C.
- **Great Compatibility:** Features good compatibility with various oil well cements and other admixtures.

3. Technical Specifications & Slurry Properties

Property Item	Technical Specification / Index
Appearance	White powder
Main Component	Acrylic acid vinyl acetate copolymer
Applicable Temperature	Up to 240°C
Recommended Field Dosage	3.0% - 10.0% (BWOC)

Slurry Performance Item	Index	Test Condition
Initial Consistency (Bc)	≤ 30	80°C / 46.5 MPa / 45min
Transition Time (40-100 Bc, min)	≤ 40	-
Compressive Strength (MPa)	≥ 14	102°C / 21 MPa / 24h

* Base Slurry Reference Formulation: 'G' Class cement + 5.0% DOC-AG05S + 0.8% dispersant.

4. Packaging & Storage

- **Packaging:** Packaged in bags as solid powder.
- **Storage Conditions:** Store in a safe environment. Avoid exposure to high temperatures.

To obtain the Material Safety Data Sheet (MSDS) or to learn more about laboratory application schemes, please contact us directly: QINGDAO DIMENSIONAL COPOLYMERIZATION ENERGY CO., LTD.

Website: www.dicoenergy.com | Technical Support Email: info@dicoenergy.com