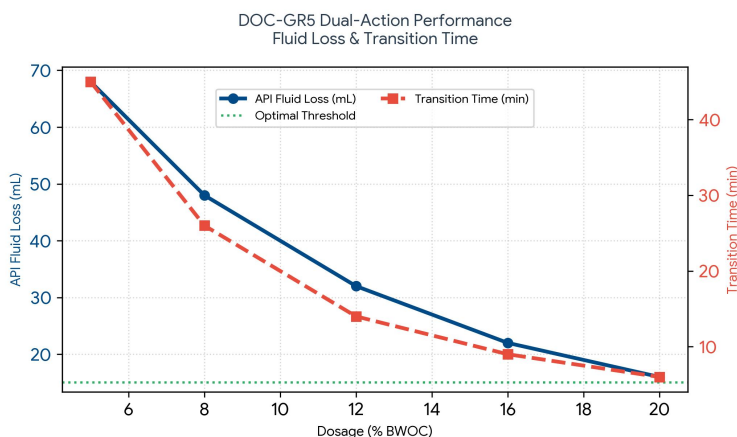


DOC-GR5 Cementing Anti-Gas Migration Agent

High-Performance Polymer Emulsion for Gas Channeling Prevention

1. Performance Highlight (Transition Time & Fluid Loss)

DOC-GR5 delivers exceptional anti-gas channeling capabilities by rapidly shortening the slurry's transition time (40-100 Bc) while simultaneously reducing mud filtration. The dual-action relationship between dosage, fluid loss, and transition time is demonstrated below:



2. Features & Benefits

- **Superior Anti-Channeling Performance:** Dramatically shortens the critical transition time of the cement slurry, preventing gas migration and ensuring long-term zonal isolation.
- **Dual-Action Fluid Loss Control:** Exhibits a strong inherent water-loss reducing ability, decreasing mud filtration into the formation.
- **Enhances Cement Integrity:** Improves the compactness of the set cement, significantly reducing permeability and enhancing anti-corrosive performance.
- **Improves Mechanical Properties:** Increases the toughness and flexibility of the set cement stone, helping it withstand stresses during production.

- **Wide Environmental Tolerance:** Applicable across a broad temperature range (25°C to 150°C) with excellent temperature resistance and salt tolerance.

3. Technical Specifications & Physical Data

Property Item	Technical Specification / Index
Appearance	Milk white liquid (Polymer Emulsion)
Density (20°C, g/cm ³)	0.95 - 1.05
pH Value	7.0 - 8.0
Odor	Slight irritation
Applicable Temperature	25°C - 150°C
Optimal Dosage Range	5% - 20% (BWOC)

** Usage Note: It is recommended to add the product into the mixed water in advance. This product is NOT suitable for mixing with poly-acid dispersants.*

4. Packaging & Storage

- **Packaging:** Packaged in 50L or 200L plastic barrels (50 kg/barrel or 200 kg/barrel), or customized as per client's requirements.
- **Safety & Handling:** Contains no oxidants or strong reductants. Non-toxic, but ingestion is strictly prohibited. Incompatible with acids and oxidants.
- **Storage Conditions:** Store in a safe environment. Avoid open fire, strong oxidants, and high-temperature environments. The period of validity (shelf life) is 24 months.

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