

Technical Sales Bulletin

Performance Additives

Efficiently reduces foam formation in cement systems

X-Air™ LE Liquid Cement Antifoam



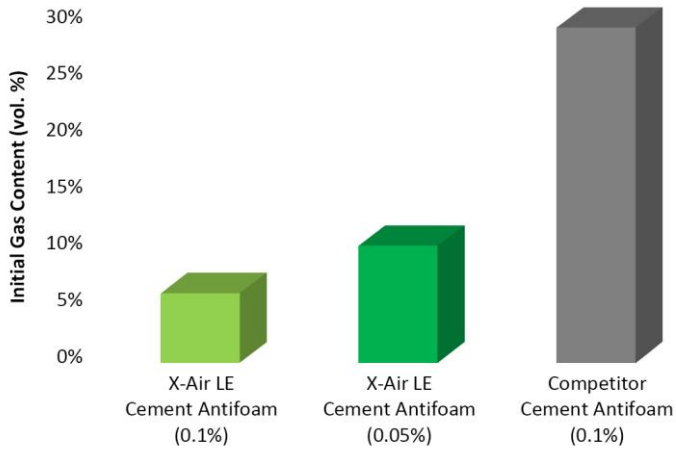
In cementing, foam created during mixing can cause pump cavitation and decrease cement density, consequently impacting the strength of the cement.

Hexion's X-Air™ LE liquid cement antifoam is designed to prevent air entrainment and control foam in cement systems, improving accuracy of slurry density readings. The system utilizes a unique chemistry that is more efficient than the competition and applicable in a variety of cement systems.

Key Features and Typical Benefits

- Decreases foam formation in cement systems
- Effective in systems containing polyvinyl alcohol (PVA)
- Liquid formulation allows for on-the-fly addition and adjustments
- Can be used at ambient temperatures less than -40°F

Antifoam Comparison in Slurry
Type I/II Cement



The X-Air LE liquid cement antifoam is more than five times as effective as the competitor at 0.1%. Even at half the concentration, X-Air LE cement antifoam is still over two and a half times as effective as the competitor.

Typical Physical Properties		
Property	Unit	Value
Physical Form	–	Liquid
Color	–	Colorless
Specific Gravity	–	0.96
Viscosity	cP	21
Recommended Concentration	BWOC	0.1 – 0.2%
Pour Point	°F (°C)	< -40 (-40)

Typical product values determined on commercial material whose properties might vary within the specification limits. Typical product data values should not be used as specifications. Assistance and specifications are available from Hexion.

Product Safety, Handling, and Storage

Always wear proper PPE, gloves and safety glasses, and wash hands and face after handling. Use only with adequate ventilation and wear an appropriate respirator if necessary. Keep product in the original container or an approved alternative made from compatible material. Do not reuse empty containers as they may contain hazardous residue.

Store in original container protected from direct sunlight in a dry, cool, and well-ventilated area away from strong oxidizers, food, and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Limitations

Customers must evaluate Hexion's products and make their own determination as to the fitness of use in their particular application.



Hexion Inc.
 Oilfield Technology Group
 15366 Park Row
 Houston, TX 77084 USA
 +1 281 646 2800
hexion.com/oilfield

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