

Technical Data Sheet

X-Air™ LE

Description



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

Typical Properties

Property	Value	Unit
Color	Colorless	
Physical Form	Liquid	
Pour Point	< -40 [-40]	°F [°C]
Recommended Concentrations	0.1 - 0.2%	BWOC
Specific gravity	0.96	
Viscosity	21	cP

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

Highly Effective In A Variety Of Systems

X-Air™ LE

<https://www.hexion.com/en-US/product/x-air-le>

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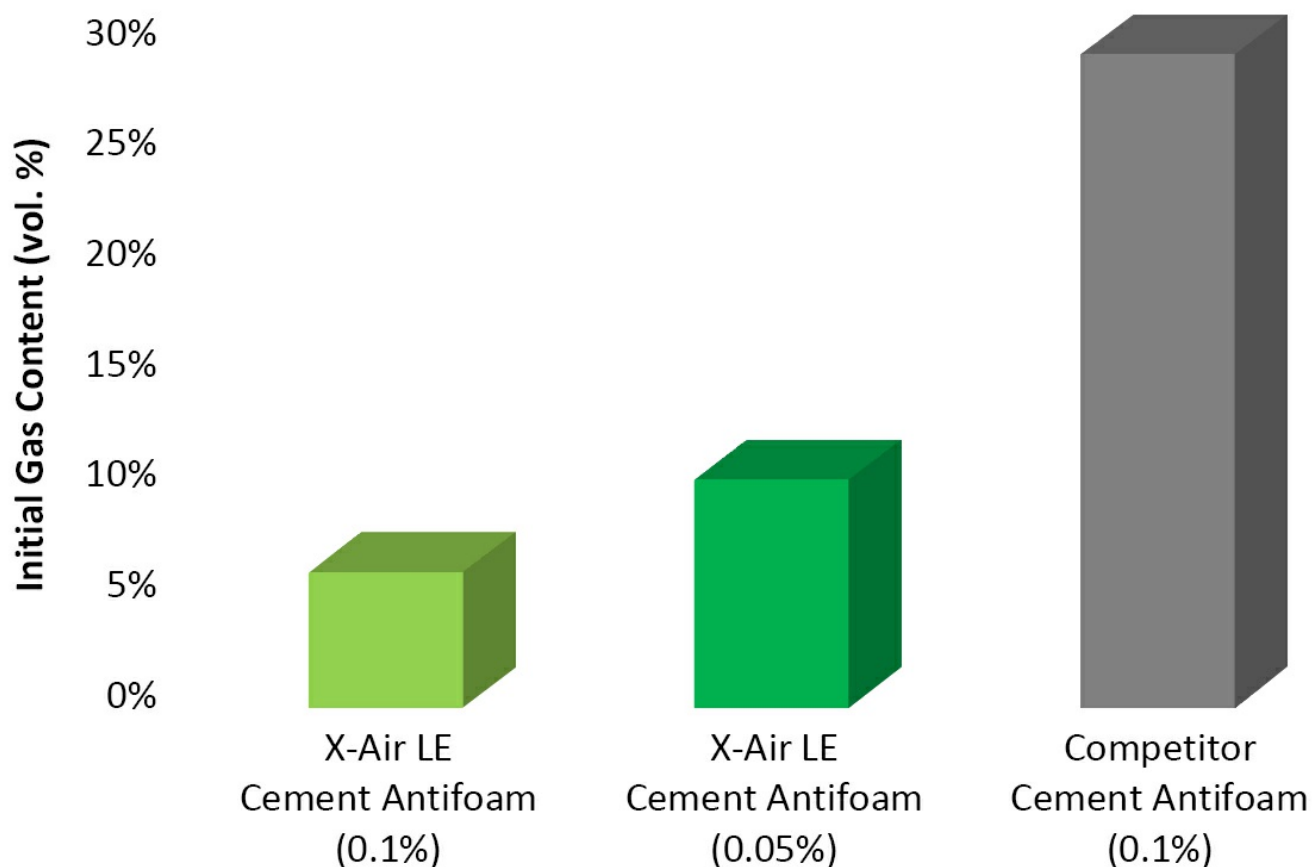
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Antifoam Comparison in Slurry

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.

Limitations

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

Product Safety, Handling, And Storage

Always wear proper PPE, gloves, and safety glasses. 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.

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