

Technical Sales Bulletin

Performance Additives

Efficiently reduces foam formation in cement systems

X-Air™ P Cement Powder Antifoam



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

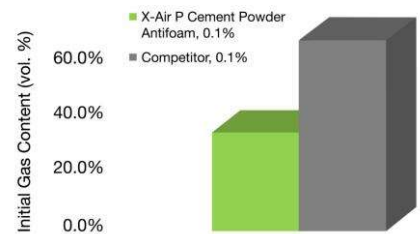
Hexion's X-Air™ P cement powder antifoam is a dry powder designed to de-aerate and control foam in cement systems, leading to better density control for a more accurately mixed slurry. The system utilizes a unique chemistry that is effective in a wide variety of cement formulations containing additives such as naphthalene sulfonate, sodium chloride, and fluid loss additives.

Key Features and Typical Benefits

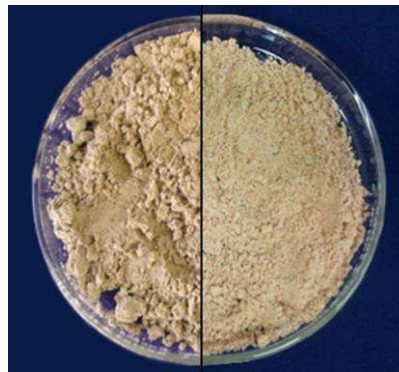
- Stops foam formation in cement slurries
- Effective in a wide variety of cement formulations containing additives such as naphthalene sulfonate, sodium chloride, and fluid loss additives
- Effective in all classes of cement
- Free flowing powder with decreased clumping compared to competitive product
- Storage stable in wide temperature and humidity range

Highly Effective in Systems with a Variety of Additives

Antifoam Comparison in 0.5% HEC, 0.5% Napthalene Sulfonate



Resists Clumping, Ensuring Free Flowing Mixture



Competitor X-Air P Cement Powder Antifoam

Typical Physical Properties		
Property	Unit	Value
Physical Form	-	Solid
Color	-	Light Tan
Specific Gravity	-	1.94
Bulk Density	lb/ft³	53.06
Absolute Volume	gal/lb	0.0618
Flash Point, Pensky-Martens Closed Cup ASTM D-93	°F (°C)	N/A
Typical % solids	-	99%

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. Wash hands and face after handling. Use only with adequate ventilation; wear appropriate respirator if necessary. Keep 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 products and make their own determination as to the fitness of use in their particular applications.



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