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AquaFloc Series

AquaFloc Series is AquaSol's line of high-performance, bio-based cationic starches designed for paper and packaging applications. Engineered and manufactured in the USA, AquaFloc is produced from 100% renewable starch-based materials and developed to deliver enhanced performance beyond conventional cationic starch systems.

Through advanced starch modification, AquaFloc provides a higher, more efficient cationic charge, improving interaction with fibers and fines while maintaining the repulpable, recyclable, and environmentally responsible characteristics required in modern paper production.

Performance and Economy

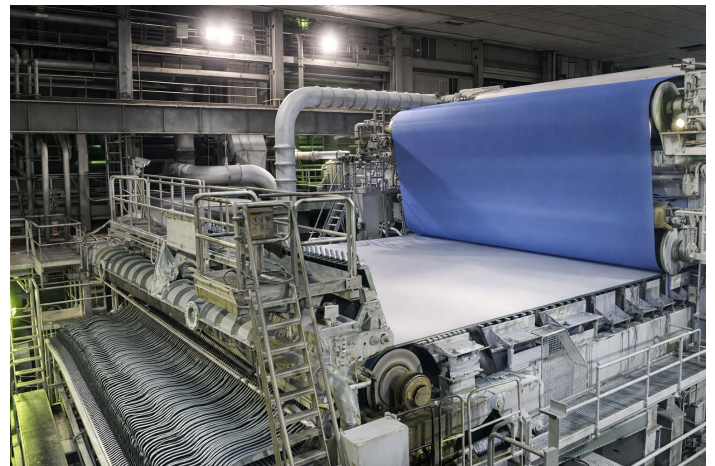
AquaFloc Series enhances fiber bonding, fines retention, and surface strength, supporting improved sheet formation and overall product quality. Its increased cationic charge enables more efficient interaction with negatively charged fibers and fillers, improving retention and reducing material loss in the system.

Compared to traditional cationic starches, AquaFloc delivers improved performance at optimized usage levels, helping increase process efficiency and reduce total additive demand. Its ability to improve strength and retention contributes to better machine runnability and more consistent end-product performance.

As a fully bio-based solution, AquaFloc supports sustainable production goals while maintaining the recyclability and repulpability required in paper and packaging applications.

Applications:

- Fine paper and tissue production
- Paperboard and packaging systems
- Wet-end and surface applications requiring strength and retention improvement



Environmental

AquaFloc Series is derived from 100% renewable, bio-based materials and supports repulpable and recyclable paper systems. It should be handled and used in accordance with local, state, and federal regulations.

Characteristics

- Appearance Off White Powder
- Ionic Character Cationic
- Moisture <12%
- pH 8-10

Applications

- Wet-end applications
- Fine Paper
- Paperboard

Environmental

- Fully biodegradable

Packaging and Product Form

- 50 lb paper sacks
- Private Label