



730 North Anderson Road
Rock Hill, South Carolina 29730
P: 803.327.3833
F: 866.402.0133
www.AquaSolCorp.com

Aquajel 210XL

Aquajel 210XL is a modified starch-based thickening and suspension agent designed for applications requiring controlled hydration, stability, and ease of dispersion. Based on sodium carboxymethyl starch chemistry, Aquajel 210XL provides reliable thickening, binding, and suspension performance across a range of industrial and textile applications.

Engineered for controlled solubility, the product disperses easily without lump formation and activates under elevated pH or temperature conditions, making it ideal for demanding formulations.

Performance and Economy

Aquajel 210XL is designed to provide efficient thickening and suspension performance while allowing for controlled hydration during mixing. Its delayed solubility prevents lumping during dispersion, improving handling and consistency in batch preparation.

The product activates under high pH conditions ($\approx 11.5+$) or elevated temperatures, making it especially effective in systems containing caustic materials such as cleaners and chemical processing solutions. This behavior allows for greater process control and formulation flexibility.

In addition to thickening, Aquajel 210XL supports binding and stabilization, and has been shown to contribute to anti-soil redeposition, improving washing performance and reducing extractables in certain applications.

Because it is based on starch-derived chemistry, Aquajel 210XL provides a cost-effective alternative to synthetic thickeners while maintaining consistent performance.

Note: Product information provided is intended as a general guideline. Each operator should perform its own testing and evaluation to determine suitability for specific formulations and processing conditions.

Applications:

Aquajel 210XL is designed for systems requiring controlled thickening, dispersion, and stability under elevated pH or temperature conditions.

- Industrial and chemical formulations – Thickening and stabilization in high pH systems
- Textile and processing applications – Binding and suspension with controlled hydration
- Cleaning and washing systems – Supports anti-soil redeposition and improved wash performance



Environmental

Aquajel 210XL is based on renewable starch-derived polymers, supporting more sustainable industrial and textile processes.

The product is fully biodegradable, helping reduce environmental impact while maintaining performance in demanding applications.

Characteristics

- Appearance Off-White Powder
- pH 9-12
- Moisture < 12%

Application

- High pH industrial systems
- Textile and processing formulations
- Cleaning and wash applications

Environmental

- Fully Biodegradeable

Packaging and Product Form

- 50 lb Sacks