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AquaSet Products

The AquaSet product family provides water-soluble, bio-based additives for cementing applications where suspension stability and fluid loss control are required. Derived from renewable starch-based polymers, AquaSet helps maintain the suspension of cement solids and supports stable slurry performance across a wide range of downhole temperatures.



Performance and Economy

AquaSet additives provide suspension of cement solids and effective fluid loss control during cement placement. The polymers help maintain a stable viscosity profile as temperatures increase, improving slurry stability and placement performance.

AquaSet products also provide a cost-effective alternative to conventional water-soluble additives.

Note: Product information provided is intended as a general guideline. Each operator or service company must perform its own engineering evaluation, laboratory testing, and field validation to determine appropriate use and treatment rates for specific cement systems and well conditions.

Available Products:

The AquaSet family includes products designed to support cementing operations across a range of temperature conditions:

- AquaSet LT – Designed for applications up to 200°F (93°C)
- AquaSet MT – Designed for applications from 200°F to 275°F (93–135°C)
- AquaSet HT – Designed for applications from 275°F to 350°F (135–177°C)

These options allow operators to select the appropriate product for their specific temperature and operational requirements.



Environmental

All AquaSet products are based on renewable, bio-based polymers derived from starch chemistry.

While fully functional during use, these materials are biodegradable and designed to minimize long-term environmental impact, supporting more sustainable drilling and cementing operations.

Characteristics

- Appearance Off White Powder
- Ionic Character Anionic
- Moisture <12%
- pH 8-10
- Density 0.5

Applications

- Oil field cementing
- Concrete

Environmental

- Fully biodegradable

Packaging and Product Form

- 50 lb paper sacks
- 25lb pails