

FlocceroTM

SALPROTM POLYMERS & INITIA COAGULANTS

**Polymers
engineered to
withstand high
salinity in
wastewater**

Setting the standard
in wastewater treatment



FJELL TECHNOLOGY
GROUP

Technology
for value circle

Floccera is our wide product line of environmentally friendly water dispersion coagulants and flocculants – free of solvents, oils and no surfactants.

Floccera is designed to ensure emission compliance with strict discharge limits.

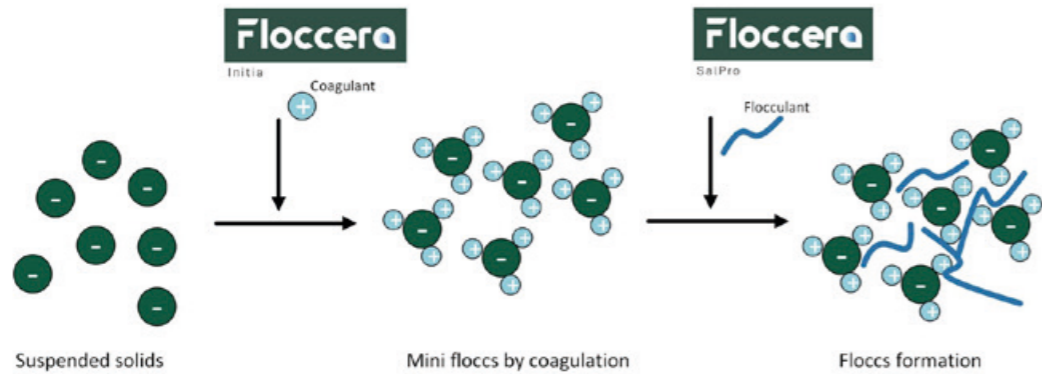
Coagulants and Polymers are essential in wastewater treatment

Floccera products are used to ensure the discharge water quality requirements are met. Cost-efficient sludge recovery is realised by Floccera.

Coagulation involves adding chemicals that neutralize the electrical charges of suspended particles, allowing them to clump together into mini flocs. In addition, use of metal chloride coagulants can precipitate dissolved phosphorus.

Flocculation is the step whereby polymers are matured and mixed into the wastewater to cause the organic material to collide and form larger aggregates called flocs. It is the key attributes of the polymers (molecular weight, charge (anionic/cationic, density, and structure) that enables binding of suspended solids into flocs.

These flocs can then be easily separated from the water, resulting in clearer, cleaner effluent and ultimately discharge permits being met.



Floccera SalPro

- Polymers designed to **withstand high salinity** in cleaning effluents and sludge recovery from Recirculating Aquaculture Systems (RAS).
- Proven products** for wastewater and dewatering.
- 67% reduction in CO₂ footprint compared to oil in water emulsions.
- Polymers specialised for thickening and centrifuge dewatering.
- Reduces sludge volumes substantially.
- We offer Non-acrylamide based polymers and polymers of very low Residual Acrylamide levels (<10 ppm).

SalPro Product line	
SalPro	High efficiency water dispersion flocculants, withstands high salinity
SalPro HW	Higher molecular weight specialized for dewatering
SalPro X	Specialized for Centrifuge dewatering resistant to higher shear forces
SalPro FX	Universal flocculants that works in a wide pH range. Anionic and non-ionic.
SalPro AFX	Amphoteric flocculants of high molecular weight, works well at variable conditions
SalPro Pure	Non-acrylamide-based flocculants

Floccera Initia

Coagulation is the initial step in ensuring that the discharged wastewater meets required quality.

- Organic coagulants designed to neutralize charges and cause dissolved and suspended substances to accumulate into mini flocs.
- Can be used in higher concentrations than oil in water-based emulsions.
- Reduces inorganic coagulant use (totally or partially) which means that problems with high aluminium or iron concentrations in the sludge are avoided (inorganic coagulants).
- Initia products have **no impact on pH** and will work effectively in a wide range of pH.

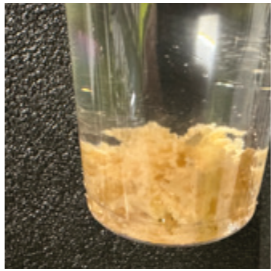
Initia Product line	
Initia	Liquid cationic polymers, Polyamine and/or PolyDADMAC, effective at low dosages
Initia Eco	Biodegradable - Natural base products and plant-based (tannins)
Initia Pure	Acrylamide-free coagulants, liquid PolyDADMAC. Certified for use in drinking water applications (NSD/ANSI/CAN 60 certified)

Why should you choose Floccera ?



Focused on PERFORMANCE

- Market-leading polymer that withstand high salinity
- Proven products for wastewater and dewatering
- Good mixing properties in wastewater
- Ensures emission compliance with discharge permits.
- Superb stability
- Operates and performs in a wide temperature range



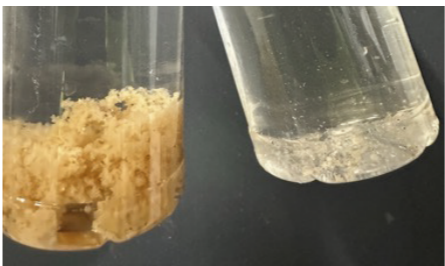
Focused on EFFICIENCY

- Organic coagulants effective in a wide pH range with no pH impact
- Easy to use - SalPro polymers can be used in higher concentrations than oil in water emulsions
- Specialised polymers for a variety of wastewater conditions and different process steps
- Wide range of polymers and coagulants to meet different needs
- Enables saving water and environmental protection



Focused on ENVIRONMENT

- 67% reduction in CO₂ footprint compared to oil in water emulsions
- Free of solvents, oils and no surfactants
- Reduced emissions of VOC into atmosphere (Volatile Organic Compounds)
- Acrylamide free products available
- Plant-derived products available
- Manufacturer with strong focus on environmentally friendly production



Strong flocs achieved using Floccera polymer in wastewater treatment.

Water dispersion flocculants

Floccera is a wide range of products that differs in charge concentration, molecular weight, and structure. We offer Polymers specialised for thickening and centrifuge dewatering, well proven in wastewater treatment applications. Floccera products have superb stability and can be used in higher concentrations than oil in water emulsions – they are easily mixed into the wastewater.

Selecting the right polymer for your process

Strong separation in wastewater treatment starts with selection of an optimal polymer. Wastewater quality differs by facility due to water source, fish feed, fish size, wastewater origin, salinity, and operations.

Each site requires its own polymer selection. New fish farms need repeated jar tests to keep polymer treatment optimal as fish mature and new areas open. Optimal selection by jar tests can result in improved reject water quality, and ultimately savings.

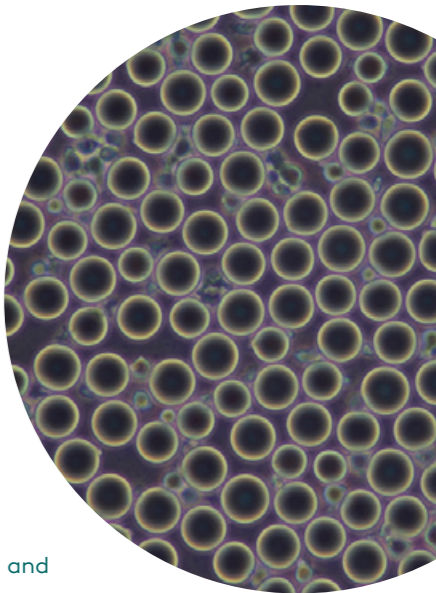
We are here to support the selection process. The selection involves a thorough review by our experts of all process conditions, process variations, and requirements of your process. We take samples and perform tests and analysis of your wastewater, onsite or offsite,

to find the optimal polymer type, dosage, pH, and mixing conditions.

We offer a full spectrum of products, contact us to ask for trials.



Water dispersion flocculant. Undiluted (left) and diluted (right).



Polymers (cells) dissolved in brine solution.

Explore

our full product line of Floccera Salpro
Polymers and Initia Coagulants



Technology
for value
circle



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