

Performance:

RoQuest® 5000 provides unique performance and application benefits:

- Contains more than 9% soluble ferric ion and less than 0.2% ferrous ion.
- Capable of producing RO quality feedwater in multimedia and sand filtration applications.
- Compatible with thinfilm (polyamide) and cellulose acetate RO membranes.
- Filter-aid properties resist solids breakthrough in direct filter applications.
- Low dosage requirements.
- Compatible with Vitec® 3000, 5000 & 7000 scale inhibitors.
- Effective over a wide pH range.

RoQuest® 5000 contains a blend of organic coagulants and ferric sulfate and is designed to be injected into the feedstream of multimedia and sand filters. This product will enhance the filter performance by further reducing turbidity and color, producing an effluent that is a more acceptable feedwater quality to downstream reverse osmosis systems.

Best results are achieved in raw waters that contain up to 10 NTU turbidity and color units of greater than 10 or in feedwaters in which organic polymers have been under or overdosed.

Use Instructions:

Inject RoQuest® 5000 at least 15 feet (5m) upstream of multimedia filters. Do not use static mixers ahead of the filters as the shear imparted by this equipment will degrade the polymers contained in this formulation.

Dosing Guidelines:

Typical RoQuest® 5000 dosage is in the range of 2 to 25 ppm. Approximately 0.25 ppm of alkalinity expressed as calcium carbonate is required per ppm of RoQuest® 5000. Following coagulant addition, a minimum of 25 ppm of residual alkalinity is required.

Significant overdosing of RoQuest® 5000 may cause degradation in the quality of the filtered water. If there are any questions, please contact Avista Technologies for specific dosing instructions.

Dilution:

RoQuest® 5000 should be fed neat if possible. If a dilution is necessary, dilute no more than 4 to 1 with RO permeate or DI water.

Packaging and Storage:

Standard regional pack sizes are listed below. Custom packaging can be provided worldwide to meet customer needs. Please protect this product from freezing.

Specifications	
Appearance:	Clear brown liquid
pH (1% solution):	4.0 – 6.0
Specific Gravity@20°C:	1.3-1.4

Packaging Formats	Americas	EMEA
Pails	45 lbs	23 kg
Drums	500 lbs	220 kg
IBC's (tote bins)	-	-

