

RoQuest[®] 6000 contains an effective blend of organic coagulants and ferric sulfate. This product was designed for use as a coagulant and flocculation aid in flocculator-clarifiers. RoQuest 6000 is ideally suited for removing colloids, silt, and many of the organic molecules that foul reverse osmosis (RO) membranes.

Performance:

RoQuest[™] 6000 provides a variety of unique performance and application benefits:

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

Avista Technologies, Inc.
133 North Pacific Street
San Marcos, CA 92069 U.S.A.
Telephone: (760) 744-0536
Facsimile: (760) 744-0619
Web Site: www.AvistaTech.com

Use Instructions:

Inject RoQuest 6000 at least 15 feet 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.

Dilution:

RoQuest 6000 may be fed neat or diluted. If a dilution is preferred, dilute no more than 4 to 1 with RO permeate or DI water.

Dosing Guidelines:

Typical RoQuest 6000 dosage is in the range of 10 to 35 ppm. Approximately 0.25 ppm of alkalinity expressed as calcium carbonate is required per ppm of RoQuest 6000. Following coagulant addition, a minimum of 25 ppm of residual alkalinity is required.

Overdosing of RoQuest 6000 may cause degradation in the quality of the filtered water. If there are any questions, please contact Avista Technologies for specific dosing instructions.

Packaging:

RoQuest 6000 is available in 45 pound (5 gallon) pails and 500 pound plastic drums. Protect this product from freezing.

Properties:

Appearance	: Clear amber colored liquid
Specific Gravity	: 1.40 to 1.50
pH	: 1.0 to 2.0
Freeze Point	: -8° C (18° F)
Viscosity	: 100 cp at 25°C