



SpectraGuard™ 250 combines synergetic phosphates to provide a superior antiscalant/dispersant that is compatible with cationic polymers (See FilteRx product line). Highly effective against carbonate, sulfates and metal hydroxides, SpectraGuard™ 250 provides the ideal solution for large membrane systems where cationic polymers are used upstream, such as heavy industrial and municipal applications.

Features / Benefits

- Based on a synergistic blend of phosphates this product is compatible with cationic polymers commonly fed in upstream system components (such as Professional Water Technologies™ FilteRx™ product line).
- Stable in presence of chlorine, can be used in systems with halogen in feedwater
- Effective over a wide pH range, minimizing need for pH adjustment
- Compatible and will not precipitate in the presence of feedwater sources that contain metal oxides
- Classified for use in membrane systems producing drinking water (ANSI/NSF Standard 60)

Uses

- Control of calcium carbonate, calcium sulfate, barium sulfate, calcium fluoride, silica, and hydroxides of iron and aluminum

Specifications

Appearance	Clear amber liquid
pH (1% solution)	1.50 – 2.50
Density (kg/liter)	1.12 – 1.18



Packaging

Pail: 5 gallon/18.9 liter

Tote: 275 gallon/1,040 liter

Drum: 55 gallon/208 liter

Bulk: available upon request

For special packaging options, please contact PWT or your local distributor.

SpectraGuard™ 250
LIQUID REVERSE OSMOSIS ANTISCALANT

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General Mixing & Application Instructions for SpectraGuard™ 250

1. Typical dose rates are 2.0 to 6.0 mg/l
2. Contact Professional Water Technologies™ or your local distributor for custom chemical dosing recommendation

ProDose XPRT™ – Scaling Prediction Software

ProDose XPRT™ uses the most accurate scaling prediction calculations available to accurately determine effective antiscalant dosage, and cleaning chemical usage. The user can enter multiple cases to study various operating conditions, directly enter concentrate analysis, and select the best PWT product and dosage for the application.

ProDose XPRT™ is available upon request only. Please contact your PWT representative for more information.

The screenshot displays the PWT ProDose software interface. At the top, there is a navigation bar with the PWT logo and several tabs: UNITS (US), TEMPERATURE (Fahrenheit), PERMEATE FLOW (81.00), RECOVERY (75.0%), ANTISCALANT (SpectraGuard Liquid), DOSAGE (2.95 PPM), SOURCE (Well Water), PROJECT NAME (Project 1), and CASE (1). Below this, a sidebar on the left contains icons for PROJECT INFORMATION, WATER QUALITY, SYSTEM INFORMATION, CHEMICAL SELECTION, CALCULATIONS, and REPORT. The main content area is divided into several sections: OVERVIEW (with fields for CLIENT NAME, PROJECT NAME, LOCATION, PREPARED BY, DATE, and WATER TYPE), MEASUREMENTS (with dropdowns for PRESET UNITS, TEMPERATURE, FLOW RATES, and MASS UNITS), COMMENTS (OPTIONAL) (a large text area), and TOTAL CASES (1 AVAILABLE) (a table with columns for Cases and Modified Date). The table shows one case with ID 1 and a modified date of 5/27/2016. Below the table is a section for Selected Case Description.