

# APS SILTSTOP AND FLOC LOGS

SEDIMENT & PERIMETER CONTROL

## Soil-Specific Polyacrylamide (PAM) Erosion Control Powder, Emulsion and Applicator Logs



The APS SiltStop™ soil stabilization polymers are a group of soil specific tailored polyacrylamide (PAM) co-polymer powders and emulsions utilized for erosion prevention and sediment control. They reduce and prevent erosion of fine particles and colloidal clays from water.

APS700 Series Floc Log is a group of soil specific tailored log-blocks that contain blends of water treatment components and polyacrylamide co-polymer for water clarification and erosion control. They reduce and prevent erosion of fine particles and colloidal clays from water. There are more than 60 types of Floc Logs designed for varying soil and water conditions.

### Primary Applications

- Newly cleared construction or building sites drainage
- Road and highway construction runoff ditches
- Hydroseeding and Water Truck Application
- Ditch placement for all forms of highly turbid waters

Ideal performance of the APS PAM soil stabilization products result when used in conjunction with other stormwater management best management practices (BMPs). The implementation of a “treatment train” approach with BMPs such as with erosion control blankets, drop inlets, storm drains, retrofits and slope drains, will greatly enhance the effectiveness of the Siltstop™ powders and emulsion as well as the Floc Log®.

### Site Specific Performance

APS product selection and dosage application rates are determined by soil specific testing. Contact ACF Environmental for information on this no charge soil testing as well as site-specific applications.



APS Siltstop powder can be applied dry by a number of different methods, either by itself or cut with dry sand, depending on equipment and project considerations. APS Siltstop powder and emulsion can be hydraulically applied along with seed, mulch and fertilizer.



Floc Logs are placed within the drainage system to treat runoff.

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LET'S GET IT DONE

APS SiltStop and Floc Log products are powerful and versatile tools to incorporate into a best management practice (BMP) approach for stormwater management. General guidance for APS powder, emulsion and Floc Logs, and Pond Clear product are listed below.

## APS SiltStop™ Powder

Note: Dosage application rates are determined by soil specific testing. Soil polymers and blends should never be used without testing the soil first. The above rates are generalized guidelines only, please refer to your soil specific test results for specific application rates. Consult ACF Environmental for testing.

### Dry Form:

APS SiltStop™ Powder may be applied by hand spreader, mechanical disc, or hand sowing. Slope or ditch application may require artificial support such as straw or wood fiber mulch to reduce down slope movement. Areas of high water velocity will require benching or tier structuring to reduce velocity. Sheet flow applications are best. APS SiltStop™ Powder may be mixed with dry silica sand to aid in spreading. Ratios of sand to powder will vary in accordance with the type of spreading device used.

### Liquid Form:

APS SiltStop™ Powder may be applied with hydroseeders, water trucks or other spraying devices. All spraying devices must have a mechanical agitator, mixing apparatus or hydraulic recirculation. Caution - DO NOT mix powder into a spraying device that does not contain a mixing apparatus.

## APS SiltStop™ Emulsion

Note: Dosage - application rates are determined by soil specific testing. Soil polymers and blends should never be used without testing the soil first. The above rates are generalized guidelines only, please refer to your soil specific test results for specific application rates. Consult ACF Environmental for testing.

APS600 Series SiltStop Emulsions may be applied with hydroseeders, water trucks or other spraying devices. Shake well before opening as separation may have occurred. Spraying devices having a mechanical agitator or mixing apparatus or hydraulic recirculation will work best.

## APS SiltStop™ Emulsion - con't

### Mixing:

Pour emulsion into the water tank or hydroseeder filling water stream or with a mixing apparatus operating, and pour emulsion into the filled tank. Allow emulsion to mix for one - two minutes before application. Seed, fertilizer, and mulch should be added into hydroseeder before the emulsion has been added.

## APS 700 Series Floc Log

Note: Actual GPM or dosage will vary based on site criteria and soil/water testing.

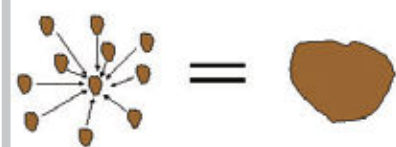
Mixing of water and Floc Log is most important! APS 700 Series Floc Log should be placed within the upper quarter to half of a ditch system or as close as possible to active earth moving activities. Simply anchor a stake into the center of the ditch system as far upslope as possible and secure the Floc Log to the stake in the center of the ditch. APS 700 Series Floc Log can easily be moved to different locations as site conditions change. The addition of soft armor covered ditch checks below the Floc Log will greatly improve water clarity. Construction of mixing weirs may be required in areas with: short ditch lines, swelling clays, heavy particle concentrations, or steep slopes.

## Pond Clear

Pond Clear is a Gypsum / PAM composite treatment. The mixture is applied wet or dry and will settle and then bind particles on bottom of basin. Slurry is mixed and sprayed into basin. 400 to 800 lbs. per surface acre. One size fits all, results will vary.

Apply 400# to 800# of pond clear, wet or dry, per surface acre and let settle for a couple of days. Results may vary.

PAM creates an electro-chemical reaction that induces these fine soil particles to cluster together.



## SIMILAR PRODUCTS IN THIS FAMILY:

PRODUCT



PRODUCT



PRODUCT

