

APPLIED POLYMER
SYSTEMS, INC.

FLOC LOG[®]

700 SERIES LOGS

APS 700 Series Floc Logs[®] are a group of soil-specific tailored gel logs that contain blends of water treatment components and anionic polyacrylamide co-polymer for water clarification. They reduce and prevent fine particles and colloidal clays from suspension in stormwater. There are several types of Floc Logs designed to treat most water and soil types.

PRIMARY APPLICATIONS

- Mine tailings and waste pile ditches
- Stormwater drainage from construction and building sites
- Road and highway construction runoff ditches
- Ditch and treatment system placement for all forms of highly turbid waters (less than 4% solids)
- Dredging operations as a flocculent

FEATURES AND BENEFITS

- Removes suspended soils and clay from water
- Prevents colloidal solutions in water within ditch systems
- Binds and removed cationic metals
- Binds pesticides and fertilizers within runoff water
- Reduces operational and cleanup costs
- Reduces environmental risks
- Help stay in compliance and meet state and federal regulations



NSF/
ANSI/CAN
STANDARD 60



ANIONIC PAM
SAFE FOR FISH



TOXICITY TESTED
PER EPA STANDARDS



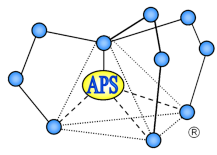
SITE SPECIFIC
TAILORED FORMULAS

GET IN TOUCH

678-494-5998

www.siltstop.com
info@siltstop.com

519 Industrial Drive
Woodstock, GA 30189



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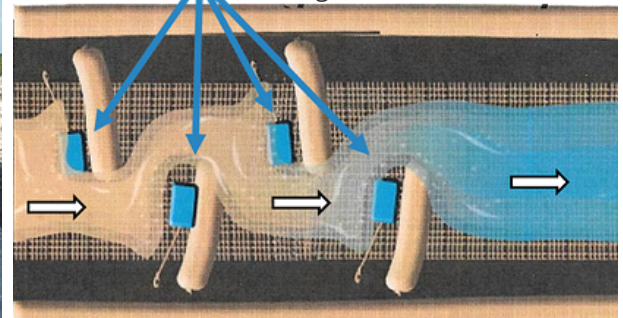


DIRECTIONS FOR USE

Place APS 700 Series Floc Logs in the upper quarter to half of a stabilized ditch system, as close as possible to turbidity source. Loop internal attachment ropes over stakes to hold Floc Logs in place. **Mixing and adequate reaction time are key!** Add sand bags, wattles, cinder blocks, etc. to increase turbulence and mixing. Floc Logs are designed to treat dirty water, not liquid mud; when the water contains heavy solids (exceeding 4%), settle heavy solids before Floc Log treatment. Floc Logs must not be placed in areas where heavy erosion would result in the Floc Logs becoming buried. Line swales and ditches to prevent new sediment eroding and entering the treatment area. Where there is heavy sedimentation, maintenance will be required. Floc Logs can easily be moved to different locations as site conditions change. Water quality will be improved with the addition of a dispersion field or soft armor covered ditch checks below the Floc Log(s) to collect flocculated particulate. Construction of mixing weirs may be required in areas where short ditch lines, swelling clays, heavy particle concentrations, or steep slopes may be encountered.



Floc Logs® installed between wattles for increased mixing and reaction.



APPLICATION RATES

- Flow through application rate: 1 Floc Log per 50-70 GPM flow (contact us for dosing assistance on flows greater than 1,000 gpm)
- Recirculation/ total volume application rate: 1 Floc Log for every 350,000-500,000 gallons
- It is not suggested to use fewer than 4 Floc Logs per application, even in low flow settings
- Replace logs when fully dissolved
- **Exceeding suggested application rates will not improve performance!**

PRECAUTIONS/ LIMITATIONS

- APS 700 Series Floc Logs are extremely slippery when wet
- Best results in flows 5ft/ sec or less
- Clean up spills quickly
- APS Floc Log will remain viable for up to 2 years when stored out of UV rays
- APS 700 Series Floc Logs are site specific and soil types and samples must be analyzed to ensure optimal performance. Testing is necessary and is free. For product information, treatment system design assistance, or performance issues, contact Applied Polymer Systems

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