

SlurrySep Floc™

Concrete Wastewater Solutions

SlurrySep Floc is a proprietary blend of bentonite clay, polymers and pH reducing acids is designed for treatment of concrete slurry. As the bentonite clay hydrates, a strong negative charge is produced, causing a flocculation by suspended particles sticking to the clay surface. Results are dramatic as solids quickly settle.

Features and Benefits

- Replaces high collection, handling, hauling and disposal costs
- Protects from environmental fines
- Rapid separation of suspended concrete fines in water allowing recycling of water or compliant disposal

How it Works

- 1▶ Chemical components of the SlurrySep adjust the pH of the water which enhances the precipitation of metals and breaks oil emulsions.
- 2▶ Bentonite clay particles attract and encapsulate precipitated metallic ions.
- 3▶ The polymeric portion of the formulation attracts remaining oils and suspended solids and forms a floc, which settles to the bottom of the treatment vessel.
- 4▶ The bentonite clay and polymer work together to create a strong utterable floc, which will encapsulate and contain heavy metals while allowing the floc to readily release water resulting in a condensed thickened sludge-like material.
- 5▶ The entire process is completed in just a few minutes, resulting in clear water that can be discharged directly to a POTW or recycled.
- 6▶ The remaining sludge and its encapsulated contaminants are highly resistant to leaching and is prepared to be solidified for compliant land disposal.

Technical Specifications

Formulation	Particle Type	Bulk Density (lbs./ft ³)	pH (1% dispersion)
SlurrySep HPH1	Granular	65 + 2	2.5 - 3.5
SlurrySep HPH2	Granular	65 + 2	2.5 - 4.0
SlurrySep LPH1	Semi-Granular	70 + 2	2.5 - 4.5
SlurrySep LPH2	Granular	70 + 2	3.0 - 4.0

Important Notice

All wastewater may not be compliant for land II disposal even after treatment methods due to hazardous levels of non-allowed contaminants. Wastewater from plating shops and industrial chemical manufacturing facilities will require wastewater analysis to determine the proper disposal method if applicable. Our laboratories can provide an analysis of sample wastewater taken from a project to determine levels of contaminants and design suggestion for compliant disposal if applicable.



You may add SlurryDry to the remaining thickened sludge material to dehydrate the remaining moisture and creating a safe material for standard disposal that meets the requirements for the EPA 9095B Paint Filter Test for adequate moisture levels. SlurryDry's main ingredient is EPA compliant as an acceptable non-biodegradable sorbent. SlurryDry adds further encapsulation of contaminants and is highly resistant to leaching providing a cost effective method of safe disposal.



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