

FLOCCULANT & DEWATERING AID

Chemical Products for Mineral Processing
Solid Liquid Separation Needs



POWER
CHEMICAL SERVICES

Maximum Performance for your Solid Liquid Separation

Solid & liquid separation process in a mineral processing facility undergo in a thickener or filtration unit process. Depending on the process, commonly low solid content in liquor overflow and high solid content in underflow of a thickener is one of the main objectives of a thickener. While for filtration, lowest possible moisture content is the objective.

We at **POWER CHEMICALS** provide you with our **POWERFLOC™** Polymer Flocculants & **POWERDRY™** Dewatering Aid are able to provide you with maximum solid liquid separation efficiency.



Our **Solid Liquid Separation Products** are a perfect fit for :

- Merrill Crowe CCD Thickeners on Gold Mineral Processing
- Detoxification process Thickeners for Various Mineral Process
- Neutralization Plant Thickeners for Copper & Nickel ore leaching plant
- Pre/Post Leaching Thickeners for various mineral processing
- Washers & Settlers for Bayer Process
- Alumina Hydrate Classifier Thickener

Our Chemical Products

POWERFLOC™ : Polymer Flocculant for Mineral Processing Solid Liquid Separation

Our **POWERFLOC™** polymer flocculant comes in powder & liquid emulsion forms. From **Anionic, Non Ionic, to Cationic charge, from low, high, and very high molecular weight** structures, our polymer is proven to suit your need for various mineral processing liquid solid separations. Whether its a single or multiple CCD thickener system our flocculant got you covered

POWERDRY™ : Dewatering Aid for Solid Mineral Filtration

Our chemistry are able to bind water molecules inside the mineral solid matrix and help them rush out easier on a filtration process. Whether its belt press, screw press, or a pan filter our **POWERDRY™ Dewatering Aid** reagent will help you achieve the lowest moisture possible from your filtration process.

POWER REDFLOC™ : Hydroxamated Red Mud Flocculant for Bayer Process Settlers & Washer

Our **POWER REDFLOC™ Hydroxamated Red Mud Flocculants** are specifically formulated for your specific needs. We can provide you with the right charge and molecular weight of our red mud flocculants for your optimal operational cost for your bauxite residue (red mud) washer & thickeners.

POWER HYFLOC™ : Alumina Hydrate Flocculants for Bayer Process Classifying Thickener

An excellent classifying thickener on a Bayer Procee must be able to prevent high levels of solid content carryover in the overflow while maintaining adequate settling rate velocity. Our **POWER HYFLOC™ Alumina Hydrate Flocculant** are your choice for your maximum classifying thickener solid loading efficiency



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