

HYDRO-GO

MINERAL SLURRY DEWATERING AID

- Significantly reduce humidity of concentrate
- Deliver enhanced results with both ceramic and disc filters
- Improve concentrate quality
- Increase sales revenue by 3 to 5% for all concentrates in this application
- Improve filter throughput of concentrate
- Reduce filter cloth obstruction to increase cloth service life
- Control foam to reduce product loss
- Lower the water weight to substantially reduce transportation costs



APPLICATION

For best results, Hydro-Go dewatering aid should be added full strength to the final bank of wash sprays on the drum or pan filters.

The dosage rate is dependent on the particle size of the trihydrate. A smaller particle size will require a higher dosage rate.

The dosage range is between 50 – 150 grams per MT of trihydrate. For example a dosage of 50 grams per MT can reduce the moisture content of an alumina trihydrate cake of particle size 8% through 325 mesh from 11% to 7%.

Degradation

Hydro-Go dewatering aids are biodegradable and also decompose at high pH so any residual product in the filtrate is readily decomposed avoiding any problems associated with its use in closed circuit systems.

DESCRIPTION

Hydro-Go dewatering aid is used to reduce cake moisture in the filtration of mineral slurries, such as sulfide flotation concentrates, iron ore concentrates, coal concentrates, tailings and alumina trihydrate in the Bayer process.

Hydro-Go dewatering aid is also used to successfully treat other mineral extraction applications as leaching and wetting aids. In leaching operations, they increase the penetration rate of the leachate, reducing leaching times and improving extraction. In tabling and spiral concentration, small amounts of Hydro-Go dewatering aid in the water can improve the separation efficiency by improving slime dispersion and decreasing skin flotation as a result of improved wetting of the minerals.