

Berol[®] dewatering aids

Release moisture and increase performance while reducing energy use and production time

Enhance your mineral filtration performance and reduce moisture in mineral slurry by 20-30% using our Berol[®] dewatering aids.

Performance

By releasing a significantly higher amount of residual moisture entrapped in the cake capillaries, you can improve filtration production rates and decrease energy use.

We compared filtration processes that employed a dewatering mechanism with processes that did not.

When our Berol[®] dewatering aid was applied during the filtration process, it delivered a significant reduction in moisture for phosphate, iron and calcite ores.

This resulted in a drop in total percentage of moisture to:

- Phosphate: 6.2%
- Iron: 2.3%
- Calcite: 1.6%

Benefits

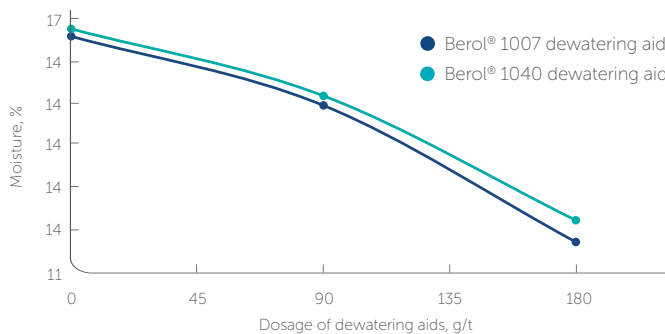
- Increase rate / capacity of filtration
- Remove more water content from cake
- Improve filtration rate for fine fractions
- Reduce thermal drying energy
- Maintain required moisture level
- Employ organic compounds
- Decrease surface tension

Berol[®] dewatering aids can be applied to all mineral slurries where vacuum filtration is used, especially for the following ore types:

- Phosphate
- Iron
- Calcite
- Mica
- Coal

Berol[®] dewatering aids can also be used with drum, pressurized, plate, disc, and belt filters.

Moisture reduction



Vacuum: 30 sec in pulp ~390 mBar, 70 sec in air ~460 mBar
 Pulp density: 40% solids
 Filter: Paper filter Munktel 3, 5.5 cm

Contact us for more details
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Nouryon

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