FERROMILL

Reagent for improving wet ore grinding efficiency

Description

Ferromill is being developed to control slurry rheology in wet grinding processes. The product is under active laboratory development. Preliminary test results are considered promising.

Development objective

The main focus is to reduce slurry viscosity to enable higher mill solids loading and increased throughput while maintaining the required particle size of the ground product.

Effects on downstream operations

Development includes an assessment of the reagent's effects on downstream beneficiation stages, including magnetic separation, thickening and filtration. A key criterion is to maintain the process performance of these operations. Opportunities to improve their performance are also being investigated.

Technical cooperation

Klimana invites mining and mineral processing companies to collaborate on the development and testing of Ferromill. The cooperation programme may include laboratory testing using the partner's feed material, selection of reagent dosage and application conditions, and a comprehensive assessment of process performance.

The product formulation and performance characteristics are being refined during development. Performance must be confirmed for the specific feed material and process conditions.

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