

FERROFLO Ferrite Grinding Aid

Technical Reference Document

FERROFLO 550

Description

The product FERROFLO 550 was developed specifically for the sector of the grinding industry that requires improved mill performance.

The product is a highly ionized salt of an organic base, the resulting electrostatic attraction between broken particles in the mill system is reduced or removed. The result is that agglomeration within the mill is reduced and more energy is available for actual milling of particles.

The general result of this action is that the particle size distribution is increased, with increased material falling into the fine fractions, or the mill feed can be increased without a change in resulting particle size distribution.

Advantages

- An increase in mill performance by 5-15%
- An improved particle size distribution, with increased material falling into the fine fractions

Dosage

Addition rates of 0.05% to 0.15% of total feed material are recommended. The optimum addition rate should be determined through lab and plant scale tests.

Dosing Equipment

FERROFLO should be accurately proportioned through specified dispensers that are equipped with calibrated dosing systems, suitable for the ferrite powder grinding mill and output required.

Packaging

FERROFLO is delivered in 25 kg powder bags for use in specified dispensers.

Chemical Composition

COMPONENT	PERCENTAGE FRACTION
Organic Salts	35%
Amorphous Silica	35%
Salts of ammonia	30%