

IRONDENSE

Hematite – Fe_2O_3

Weighting agent for Drilling industry

KIMPE offers IRONDENSE, a hematite (Fe_2O_3) based solution developed for the drilling industry. Acting as a robust weighting agent, it ensures precise density control in drilling fluids and cement slurries. With its high density, exceptional chemical inertness, and fine particle size, IRONDENSE provides reliable pressure management under HPHT conditions while maintaining stable, homogeneous performance.

Applications

- ✓ *Weighting agent for drilling fluids and cement slurries*
- ✓ *Low viscosity spacers for wellbore cleaning and fluid-to-cement separation*
- ✓ *Self-stabilizing densifiers for simplified handling and safe logistics*



POWDER FORM

Finely milled hematite powder for direct use in drilling fluids and cement systems. Ensures strong density performance with minimal impact on rheology.



SLURRY FORM

Liquid suspension (70% solids) ready for direct dosing. Dust-free, easy to handle, and ideal for automated production.



TECHNICAL SUPPORT

Our experts provide tailored assistance, in-plant trials, and full analytical documentation (TDS, SDS, chemical and granulometric analysis).