

PRODUCTS TECHNICAL DATA

PRODUCT NAME : ME-SILICALITE, Cement slurry lightweight additives COMPOSITION / INFORMATION ON INGREDIENTS AND APPLICATIONS

ME-SILICALITE cement additive is made from a finely divided, high surface-area silica. It can be used as an extender for lightweight cements and a compressive-strength enhancer for low-temperature, lightweight cements. This product also imparts thixotropy to some cement slurries. **ME-SILICALITE** additive can be used in wells with bottomhole circulating temperatures (BHCTs) between 50 °F and 500 °F (10 °C and 260 °C). Density: 1.06g/cm³, applicable temperature range: 140-190 °C.

ME-SILICALITE additive is available as a powder, or a liquid material. Especially for sealing and cementing of high temperature gas well.

ME-SILICALITE can effectively prevent the strength decline of cement caused by high temperature. At the same time, the material can also prevent the strength decline caused by cement over time, and effectively improve the durability and impermeability of cement stone.

ME-SILICALITE additive can be adsorbed on the surface of cement particles to form an adsorbed hydration layer, which can effectively bridge the cement particles with the material and then form a thin film dicty-structure, and at the same time make the cement slurry have certain viscosity.

ME-SILICALITE.

Because Silicalite additive imparts thixotropy to the slurry, it can help control lost circulation and gas migration. In addition, this product can provide a degree of fluid-loss control and can act as a low-temperature accelerator for saturated salt slurries.

ME-SILICALITE Liquid: Generally is used for offshore well cementing fluids.

Has high suspension property and can reduce the density of cement slurry by increasing the water cement ratio.

At the same time, it has good compatibility with other admixtures,

It can meet the performance requirements of cement slurry in deep water at low temperature. The liquid lightening agent can reduce the density of cement slurry, improve the slurry making rate, reduce the cement consumption, and avoid the limitation of the space of slurry storage tank volume on offshore drilling platform.

The operation cost of **ME-SILICALITE Liquid** for low-density cement slurry system is significantly lower than that of floating bead lightening agent.

Recommended addition: 18% in cement slurry.

The comparable competitive products : Halliburton ,SILICALITE.