

PRODUCT DATA SHEET

G212 Nano Lightening Additives for Oil Well Cementing**Product Description**

The main component of G212 nano-lightening agent is surface-modified nano-scale silica. Its active substance forms countless micelles in the liquid state, which can produce a large number of network structure pores in the cement slurry, thereby generating a large specific surface area. Cement forms a very strong adsorption. Utilizing its super bonding effect, it can amplify the water consumption for preparing cement slurry, so as to achieve the effect of reducing the specific gravity of cement slurry.

Characteristics

- The main component is nano-scale silica.
- Colorless to white translucent liquid Good compatibility with oil-based mud.
- Can be quickly and evenly blended into cement slurry.
- Can significantly reduce cement stone permeability.

Technical Specification

Items	Specification
Appearance	Homogeneous liquid
Density of cement slurry,g/cm ³	1.55±0.02
Initial consistency,Bc(60℃,32.8MPa,37min)	≤30.0
Thickening time,Bc(60℃,32.8MPa,37min)	≥120.0
Compression strength,MPa(60℃,0.1MPa,24h)	≥3.5
Cement slurry formula:G-grade high-resistance cement+14%G212+1.5%G303+1.2%GH-1+2.0%GD-2, W/C=0.87	

Packing, Storage

- Stored in plastic barrels, 25kg/barrel, or packed according to the request of clients.
- Kept away from fire, damage and leakage in store and transportation.
- Storage life time is one year.