

PRODUCT DATA SHEET

CP-53 light-weight additive for oil well cementing**Product Description**

The main component of CP-53 oil well cement lightening agent is micro-silica powder, which is a kind of ultra-fine siliceous powder material formed by the rapid oxidation and condensation of SiO₂ and Si gas produced by metallurgical electric furnace at a high temperature above 2000 °C and oxygen in the air.

Characteristics

- CP-53 oil well cement lightening agent can fill the pores between cement particles, and at the same time form a gel with the hydration product, and react with the alkaline material magnesium oxide to form a gel.
- It can increase the compactness of cement stone and significantly improve the compressive, flexural, impermeable and anticorrosive properties.
- Can effectively extend the apparent service life of oil and gas wells.

Technical Specification

Appearance	White or gray flowing powder
Water content, %	≤3.0
Fineness (0.315 mesh), %	≤15.0
Density, g/cm ³	2.10-2.30
Cement slurry density, g/cm ³	≤1.6
Free fluid, %	≤1.4
Settlement experiment, %	≤2.0
24h Compression strength, MPa/ ordinary pressure, 24h	≥8.0
Table slurry formulation: Class G cement 25% CP-52 + 6% CP-53 + 1.5% G33S + 0.5% USZ	
W / S (water-solid ratio): 0.53 Water: Distilled water.	

Packing, Storage

- Packed in tri-layer paper bags, 25kg/bag, or packed according to the request of clients.
- Placed in dry, ventilated, shady and cool circumstance. Be kept away from harmful substance in store and transportation.
- Its storage life is two years.