RIG OIL sales & services

INFORMATION

CA-HT/S200

SILICA SAND STABILIZER

DESCRIPTION

CA-HT/S200 is a finely divided silica having a particle size of not less than 200 mesh. Other properties are as follows:

Form	White Powder
Specific Gravity	2.63
Bulk Density	70 lb/cu ft
Absolute Volume	0.0456 gal/lb
Water Requirement	35% by weight
Packaging	100 lbs/sk or bulk

APPLICATION

CA-HT/S200 is used to prevent strength retrogression and the associated increase in permeability that occurs in set Portland cement at temperatures above 230°F (110°C). CA-HT/S200 is used to stabilize cement systems for use not only in deep, high temperature wells, but also in slurries that are used in cementing geothermal wells or where thermal recovery will be used in the future.

CA-Ht/S200 is advantageous in preparing low density slurries where settling might be a problem. CA-HT/S200 is preferred over the more coarse CA-HT/S100 when compressive strength is critical or in highly-dispersed cements that allow coarse silica to settle. CA-HT/S200 produces cements with much higher compressive strength and exhibit less strength retrogression.

RECOMMENDED TREATMENT

Approximately 35% CA-HT/S100 by weight of cement produces optimum properties. The minimum amount for any improvement in high temperature stability is 20% as lesser amounts are worse than no addition at all. Above 35- 40%, CAHT/ S200 merely acts as an extender although 50-100% CA-HT/S200 is often used for geothermal and steam injection applications.

Normally, CA-HT/S200 is dry blended with the cement at the bulk plant. Additional water (35% by weight of silica) is required to maintain optimum slurry viscosity. The changes on the slurry properties are slight. For additional information, contact Messina.