

CA-HT/S100

SILICA SAND STABILIZER

DESCRIPTION

CA-HT/S100 is a finely divided silica having a particle size of approximately 100 mesh. Other properties are as follows:

Form	Fine Granules
Specific Gravity	2.63
Bulk Density	100 lb/cu ft
Absolute Volume	0.0456 gal/lb
Water Requirement	5% by weight
Packaging	100 lbs/sk or bulk

APPLICATION

CA-HT/S100 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/S100 is used to stabilize cement systems for use in deep, high temperature, high pressure wells where high cement densities and/or good fluid loss control is required. The reduced water requirements of CA-HT/S100 minimizes the amount of weighting agents, dispersant and fluid loss additives required for high density, fluid loss controlled cements.

CA-HT/S100 is compatible with all API class cements and commonly used additives. CA-HT/S100 is not required with Class J (a high temperature cement which is stable at 600°F).

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.

CA-HT/S100 is dry blended with the cement at the bulk plant. Additional water (5% by weight of silica) is required to maintain optimum slurry viscosity. The changes on the slurry properties are slight. For additional information, contact Messina.