

## INFORMATION

# CA-GS2

FLUID LOSS / GAS STOP CEMENT ADDITIVE

### DESCRIPTION

CA-GS2 is an extremely effective pozzolanic product which controls fluid loss and annular gas migration into a cement column at wellbore temperatures beyond 300° F. (149° C). A highly refined suspension, CA-GS2 is compatible with all Classes of API cement and most cement additives:

Form	Gray Aqueous Suspension
Specific Gravity	1.4

### APPLICATION

CA-GS2 can be used in all types of primary cementing applications to impart fluid loss control, reduced free water content, and reduced transition time to the cement slurry. These are three critical factors to control the migration of unwanted gas or fluid into the cement column. In addition, because CA-GS2 is pozzolanic in nature, the product gives increased compressive strength to the cement, as well as temperature stability well beyond other gas migration control products. When run in combination with other fluid loss control additives, CA-GS2 has shown a tendency to greatly enhance their performance.

CA-GS2 is typically added to the cement slurry at concentrations ranging from 0.4 - 2.5 gal/sack of cement, although the actual loading to be used in the field should be determined by laboratory pilot testing prior to field use. This will ensure ideal thickening time, compressive strength, and rheology characteristics.

### TYPICAL LOADING DATA

Loadings necessary to contain gas migration pressures up to 1.25 times the hydrostatic pressure of a column of water. Loadings below are typical, and should be used only as a guideline.

Cement Density, ppg	CA-GS2 Loading, gal/sack Cement
13.0	2.20
14.2	1.09
15.0	0.81
15.8	0.56

**HANDLING**

CA-GS2 is not considered to be hazardous and there are no special handling instructions. No special safety rules apply.

**PACKAGING**

CA-GS2 is packaged in 55 gal drums.

CA-GS2 is a Messina trademark