

## **CA-FL9**

### **FLUID LOSS ADDITIVE**

#### **DESCRIPTION**

CA-FL9 is an organic, non-hazardous, off white polymer blend designed to be a fluid loss and bonding additive for low to medium temperature cement slurries in a variety of slurry designs.

#### **APPLICATION AND RECOMMENDED TREATMENT**

CA-FL9 is effective in either fresh, sea water, or moderate concentration NaCl cement systems. In addition, it functions well in cement slurries designed for gas migration control situations. Concentrations of 0.5 to 1.5% of CA-FL9 based on weight of cement will provide fluid loss values in the range of 30 to 200 ml per 30 minutes (using API procedure RP 10B).

To obtain much lower fluid loss values a certain amount of dispersion may be required. With fresh water slurries Messina's dispersant CA-FR3P (powder) or CAFR3L (liquid), used in a range of 0.2 to 1.0%, is recommended. For sea water slurries, the salts in the water normally provide sufficient dispersion and no dispersant is required up to slurry densities of 13.5 ppg. A dispersant or retarder may also be needed if extended thickening time of a cement slurry containing CA- FL9 is required.

CA-FL9 has a slight retarding effect on the slurry and will lengthen thickening times.

With bottom hole circulating temperatures below 125°F, retarders will normally not be necessary. Although the early compressive strength may be slightly retarded, the ultimate strength development will not be affected.

In addition, CA-FL9 is used to improve the cement bond to almost any surface. CAFL9 also helps prevent fluid and gas migration into the cement slurry in shallow, low temperature wells.

#### **PACKAGING**

CA-FL9 is packaged in 50 lb bags (from Messina's USA plant) and 25 kg bags (from Messina's European plant).