

CA-FL6

HIGH TEMPERATURE LIQUID FLUID LOSS ADDITIVE

DESCRIPTION

CA-FL6 is an organic, non-hazardous, off-white polymer having a specific gravity of 1.15. CA-FL6 is specifically designed to be a cost-effective fluid loss additive for low density cement slurries.

APPLICATION AND RECOMMENDED TREATMENT

CA-FL6 is effective in either fresh or sea water slurries; however, the density of the slurry in which CA-FL6 is used should be limited from 11.0 to approximately 14.6 ppg. Use of CA-FL6 in higher density slurries is possible with additional dispersant to counteract increased viscosity caused by the CA-FL6. Concentrations of 0.5 to 3.0% of CA-FL6 based on weight of cement will provide fluid loss values in the range of 50 to 200 ml per 30 minutes (using API procedure RP 10B).

To obtain much lower fluid loss values a certain amount of dispersion is required. With fresh water slurries Messina's dispersant CA-FR3P (powder of CA-FR3L (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.

CA-FL6 has a 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 fact, faster strength development is experienced with CA-FL6 than other powdered fluid loss additives.

PACKAGING

CA-FL6 is packaged in Polyethylene-lined 50 lb bags (from Messina's USA plant) and 25 kg bags (from Messina's European plant).