

INFORMATION

CA-A5L

LIQUID CHEMICAL ACCELERATOR

DESCRIPTION

CA-A5L is a liquid silicate material which accelerates the compressive strength development of set cement. CA-A5L is compatible with all Classes of API cement.

Form	Viscous Clear Liquid
Specific Gravity	1.40
Abs. Volume	0.086 gal/lb
Packaging	5 gal pails or 55 gal drums

APPLICATION

CA-A5L creates a silicate gel by reacting with lime in cement or calcium chloride added to the cement. This allows larger quantities of mix water to be added to the cement slurry for lower density applications, yet minimizes the free water. The rapid creation of the silicate gel enhances the early compressive strength development of the set cement.

CA-A5L is normally used at concentrations ranging from 0.2 to 0.7 gal per sack of cement. This material freely reacts with CA-A1 or CA-A1L or with the free lime in cement. At concentrations above 0.5 gal per sack of cement, CA-A1 is required to complete the reaction of the CA-A5L, and should be added to the cement slurry at the same concentration as the CA-A5L.

CA-A5L is an excellent cement extender, and allows preparation of cement slurries at densities to as low as 11.0 ppg. CA-A5L is compatible with most cement additives, however some additives are less effective when used with this material.

CA-A5L is a Messina trademark