



## CA-A5

### CHEMICAL ACCELERATOR

#### DESCRIPTION

CA-A5 is a granular silicate material which accelerates the compressive strength development of set cement. CA-A5 is compatible with all Classes of API cement.

#### PHYSICAL PROPERTIES

<u>Material</u>	<u>Form</u>	<u>Sp. Grav.</u>	<u>Abs. Volume</u>	<u>Packaging</u>
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CA-A5	White Granular	2.40	0.050 gal/lb	50 lb sacks
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#### APPLICATION

CA-A5 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-A5 is normally used at concentrations ranging from 2 to 3% BWOC, and is preferably used in sea water. CA-A5 requires the addition of CA-A1 in fresh water slurries. At concentrations above 3% BWOC, CA-A1 must be added in equivalent concentration to CA-A5 to complete the reaction with the free lime in the cement slurry.

CA-A5 is an excellent cement extender, and allows preparation of cement slurries at densities as low as 11.0 ppg. CA-A5 is compatible with most cement additives, however, some additives are less effective when used with this material.

CA-A5 is a Messina trademark