

# C-SET

Calcium Chloride Accelerating Admixture



## DESCRIPTION

C-Set is an accelerating admixture for portland cement, masonry cement and stucco mortars. C-Set accelerates the hydration of cement resulting in shorter setting times and high early and overall strength.

C-Set provides improved workability, helps prevent segregation and is a substantial aid in early stiffening for mortar and stucco mixes.

C-Set is an aqueous solution of organic and inorganic compounds that produces a rapid heat development of the mortar that helps protect it from freezing during its early life at low temperatures.

C-Set is V.O.C. compliant.

## FEATURES/BENEFITS

C-Set is specifically formulated for use in cold weather or wherever it is desirable to reduce the setting time, increase early strength and improve mortar workability.

- Speeds setting times one to three hours
- Helps protect against freezing by accelerating early strength
- Improves production time by improving workability and reducing set time and permeability
- Produces high early strength and higher overall strengths
- Can be used with gray, white or colored mortars
- V.O.C. compliant

## APPLICATION

Add C-Set to the mix water. C-Set can also be added to the sand, in the water or the mortar batch. Do not add to dry cement. Do not allow C-Set to contact other additives before entering the mortar.

Add C-Set at the rate of 16 to 32 oz. per bag of masonry cement depending upon the degree of acceleration required.

For Portland Cement, add 18 to 46 oz. of C-Set. It is recommended that the exact rate of addition be determined by testing the actual materials to be used on each job. The rates of additions given are guidelines based upon a variety of conditions and materials.

## STANDARDS

ASTM C-494 Type C (as applicable to mortar) complies with industry standard for chloride masonry accelerator.

## PACKAGING

- 55 gallon drums (208.2 L)
- 5 gallon pails (18.9 L)
- 1 gallon jugs (4 to a case) (3.8 L)

## ADDITION RATES

Temperature	Per 94 lb bag of Portland Cement	Per 94 lb bag of Masonry Cement
+50°F	18 oz.	10 oz
40-50°F	26 oz	12 oz
30-40°F	32 oz	16 oz
20°F	64 oz	32 oz

- C-Set will decrease water requirements 4% to 8%.

## LIMITATIONS/PRECAUTIONS

C-Set will freeze at -5°F. If freezing occurs, thaw completely and agitate.

C-Set does not protect the plastic mortar from freezing but does accelerate the strength gain in cold weather to narrow the window of susceptibility to freeze damage. Treated mortar should reach a minimum of 500 psi before exposure to freezing temperatures

Keep out of reach of children. Do not take internally. Avoid prolonged contact with skin. Ingestion: If conscious, immediately give 2-4 glasses of water or milk and carefully induce vomiting. Call physician. If splashed in eyes, wash repeatedly with clean water and call physician.

Avoid hazards by following all precautions found in the Safety Data Sheets (SDS), product labels, and technical literature.

## SHELF LIFE

Shelf life of C-Set in the original tightly closed container is 2 year from the date of manufacture. Do not allow the accumulation of water, dirt or other contaminants.

## WARRANTY

### NOTICE-READ CAREFULLY CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

### WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

### INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.



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