

# C-Set

## Mortar, Stucco & Concrete Accelerating Admixture

### Description

*C-Set is an accelerating admixture for mortar, stucco and concrete.*

*C-Set quickens the hydration of cement resulting in shorter setting times and higher early strengths. 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 protects it from freezing during its early life at low temperatures. V.O.C. compliant.*

### Manufacturer

Conspec

636 S. 66th Terrace

Kansas City, Kansas 66111

**Customer Service** (800) 348-7351

**Technical Service** (877) CONSPEC

### Use

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. Use C-Set as a replacement for calcium chloride.

C-Set accelerates the strength gain of masonry mortar, reducing the potential for freeze damage at early stages.

### Benefits

- Two to three times as potent as equivalent amount of calcium chloride
- Speeds setting times one to five hours
- Helps protect from freeze damage during early mortar life
- Reduces production time due to the improved workability and reduction of set time

- Decreases mortar segregation
- Increases protection for reinforcing rods, ties and imbedded steel
- Produces higher early strength mortar
- V.O.C. compliant

### Architectural Specifications

*Accelerating Admixture:*

Material shall be added to all mortar for masonry work that will be laid at ambient temperatures of 70°F or lower.

Approved product: Conspec C-Set or approved equivalent.

### Application

Add C-Set to water and aggregate. C-Set can be added on the sand, in the water or to the complete mix. 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 10 to 40 oz. per 94 lb. bag of masonry cement depending upon the degree of acceleration required. For Portland Cement, add 16 to 48 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.

### Packaging

55 gallon drums

5 gallon pails

1 gallon jugs (4 to a case)

### \* GUIDE FOR ADDITION RATES

Temperature	Portland Cement	Masonry Cement (N)
+50°F	12 - 18 oz.	10 - 16 oz.
40-50°F	18 - 26 oz.	14 - 20 oz.
30-40°F	26 - 32 oz.	26 - 32 oz.
20°F	32 - 48 oz.	24 - 40 oz.

\* C-Set Weight Per Gallon: 11 lbs.

\* C-Set will freeze at -20°F. If freezing occurs, thaw completely and agitate.

\* C-Set will reduce water requirements 3% to 5%.

## Limitations/Precautions

Although C-Set helps prevent freeze damage at the early stages, proper cold weather protection should also be utilized in severe cold weather conditions. 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 Material Safety Data Sheet (MSDS), product labels and technical literature. Please read this information prior to using the product.

## Warranty

Conspec warrants, for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Conspec, the product is free of manufacturing defects and conforms to Conspec's published specifications in force on the date of acceptance by Conspec of the order. Conspec shall only be liable under this warranty if the material

has been applied, used, and stored in accordance with Conspec's instructions in this technical data sheet. The purchaser must examine the product when received and promptly notify Conspec in writing of any non-conformity before the product is used, or no later than 30 days after such non-conformity is first discovered. If Conspec, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Conspec officer is authorized to modify this warranty. The sales information on the Conspec website and received by the customer during the sales process does not supersede this warranty and the specifications of the product in force on the date of sale. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

### Limitation of Liability

Conspec shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential,

punitive or exemplary damages arising in any way out of the performance of, or failure to perform, this Agreement, even if Conspec could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this agreement, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.

## Storage

C-Set should be stored in tightly sealed original factory containers. Store in a horizontal position to prevent moisture accumulation on the drum head.

## Technical Services

Complete technical and specification services are available from the manufacturer and their authorized representatives and distributors.

## Filing System

Additional literature and the Material Safety Data Sheet can be obtained from Conspec upon request.